

# Converting Colors

XYZ(73.7823, 89.7917, 73.7671)

Have a look what the booklet for  
XYZ(73.7823, 89.7917, 73.7671)  
contains.

<b>XYZ(73.8470, 89.8251, 73.7674)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.8470, 89.8251,  
73.7674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FFD1
RGB	210, 255, 209
RGB Percent	82%, 100%, 82%
CMY	0.1765, 0.0000, 0.1804
CMYK	0.18, 0.00, 0.18, 0.00
HSL	119°, 100%, 91%
HSV	119°, 18%, 100%
XYZ	73.8470, 89.8251, 73.7674
YIQ	236.3010, -12.0540, -23.8460

# Conversions

## Conversions Part 2

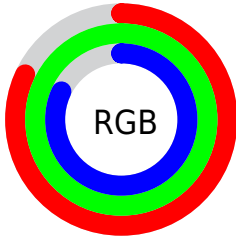
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 255, 254
Decimal	13828049
CIE <sub>Lab</sub>	95.92, -22.77, 17.32
CIE <sub>LCh</sub>	96, 28.609, 142.753
Yxy	89.8251, 0.3110, 0.3783
Android (android.graphics.Color)	4292018129 (0xFFD2FFD1)
YUV	236.3010, -13.4594, -23.0660
Hunter-Lab	94.7761, -26.7758, 20.1959

# Details

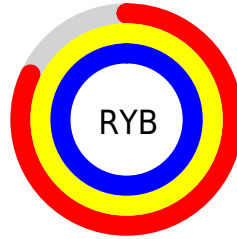
The XYZ color **73.8470, 89.8251, 73.7674** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.7242, 73.8929, 104.5632**, and the grayscale version is **80.0655, 84.2352, 91.7321**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5444, 49.6898, 38.0787** is the 20% darker color. If you saturate the color by 10%, you get **64.3806, 85.2810, 58.1419**, and if you desaturate by 10%, it is **84.9271, 95.1426, 92.1088**.

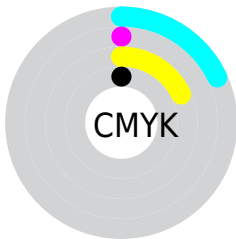
# Distribution



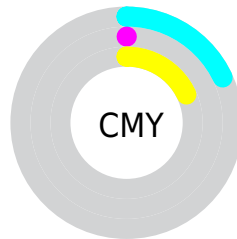
- Red (82%)
- Green (100%)
- Blue (82%)



- Red (82%)
- Yellow (100%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8470, 89.8251, 73.7674 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 73.8470, 89.8251, 73.7674 by changing the saturation by 10% instead.




 73.8470, 89.8251,  
73.7674

 73.8470, 89.8251,  
73.7674


463.0036,  
527.4617, 492.8121

 54.9597, 67.8356,  
54.1081


123.6756,  
147.0954, 126.2970

 39.6031, 49.7640,  
38.2943


155.3475,  
183.1450, 160.0044

 27.4121, 35.2259,  
25.9076


192.0117,  
224.6501, 199.2315

 18.0211, 23.8369,  
16.5294

234.0334,  
271.9951, 244.3969

 11.0649, 15.2127,  
9.7411

281.7782,  
325.5644, 295.9191

 6.1781, 8.9688,  
5.1243

335.6112,

 2.9954, 4.7208,

385.7423, 354.2167

2.2604

395.8979,  
452.9133, 419.7082

■ 1.1513, 2.0844,  
0.7089

■ 0.0674, 0.6558,  
0.0000

■ 73.8470, 89.8251,  
73.7674

■ 73.8470, 89.8251,  
73.7674

■ 64.3806, 85.2810,  
58.1419

■ 84.9271, 95.1426,  
92.1088

■ 56.4509, 81.4736,  
45.0994

95.0500, 100.0000,  
108.9000

■ 49.9774, 78.3642,  
34.5021

■ 44.8715, 75.9106,  
26.1977

■ 41.0352, 74.0657,  
20.0170

■ 38.3571, 72.7764,  
15.7673

■ 36.7069, 71.9803,  
13.2211

■ 35.9180, 71.5983,  
12.0704

■ 35.8294, 71.5558,  
11.9232

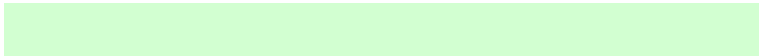
# Harmonies

## Analogous

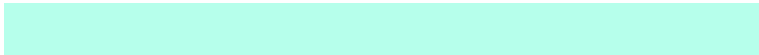
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6354, 89.8251, 62.9238



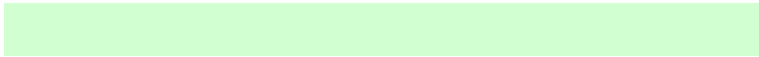
73.8470, 89.8251, 73.7674



71.1775, 89.8251, 92.4185

# Triad

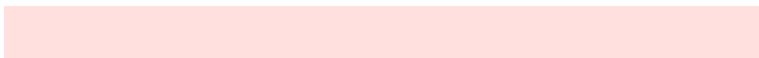
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8470, 89.8251, 73.7674



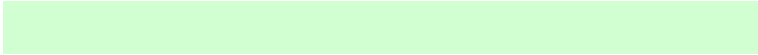
83.4742, 89.8251, 147.6143



100.1630, 89.8251, 81.9267

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



73.8470, 89.8251, 73.7674



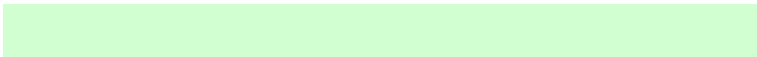
81.7242, 73.8929, 104.5632

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3474, 89.8251, 103.3953



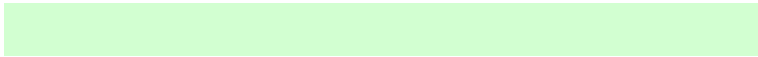
73.8470, 89.8251, 73.7674



91.3862, 89.8251, 143.6537

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



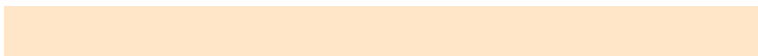
73.8470, 89.8251, 73.7674



76.5088, 89.8251, 136.6789



98.0467, 89.8251, 126.5662

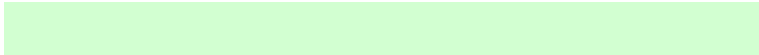


94.9032, 89.8251, 67.1028



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8470, 89.8251, 73.7674



71.4021, 89.8251, 107.7242



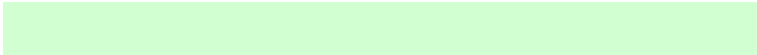
98.0467, 89.8251, 126.5662



101.0637, 89.8251, 88.5128

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



73.8477, 89.8254, 73.7688



88.6237, 96.9165, 98.2372



88.0217, 96.4092, 74.2925



18.7832, 20.6549, 20.7184



0.0000, 0.0000, 0.0000

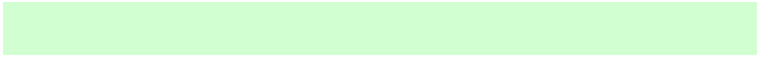


20.3446, 21.4041, 23.3091

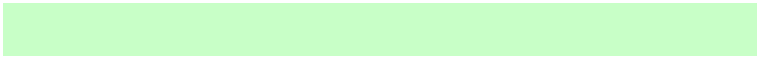


# Same Dimension

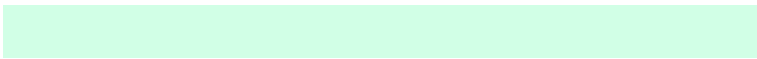
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8477, 89.8254, 73.7688



69.9084, 87.9346, 67.2605



76.4038, 90.8151, 88.7099



17.8080, 20.1869, 19.1022



18.7374, 37.3976, 6.2309



1.8367, 3.6476, 0.6073



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.7242, 73.8929, 104.5632



79.2434, 69.0504, 103.7592



78.8254, 72.7757, 87.3841



18.7513, 18.2791, 22.7899



29.9481, 14.3493, 50.6258

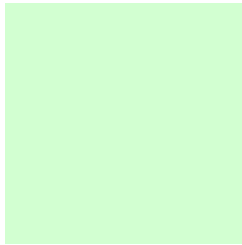


2.9279, 1.4033, 4.9298



# Previews

## White Background



This preview shows how the XYZ color 73.8470, 89.8251, 73.7674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

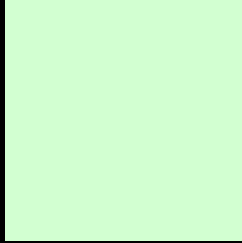
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8470, 89.8251, 73.7674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

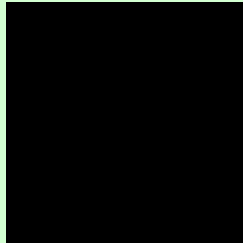
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

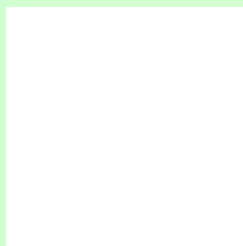
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.8470, 89.8251, 73.7674**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8470, 89.8251, 73.7674.



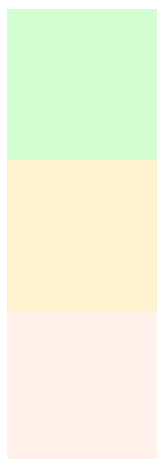
This preview shows how white text looks on a background with the XYZ color 73.8470, 89.8251,

73.7674.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

73.8470, 89.8251, 73.7674

### Protanopia

84.1327, 89.2205, 71.1795

### Deuteranopia

87.1081, 89.4634, 89.7679



## Tritanopia

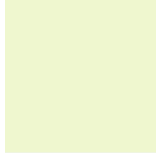
83.9811, 89.6806, 107.4916

# Trichromacy



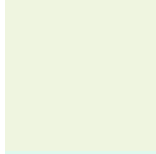
## Original Color

73.8470, 89.8251, 73.7674



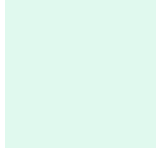
## Protanomaly

80.1199, 89.3772, 72.0603



## Deuteranomaly

81.7036, 89.0374, 83.4007



## Tritanomaly

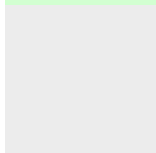
80.0488, 89.7717, 93.9976

# Monochromacy



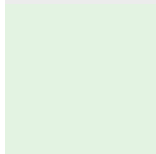
## Original Color

73.8470, 89.8251, 73.7674



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.4566, 85.9231, 84.4539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8470, 89.8251, 73.7674 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(210, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 209)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(210, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8470, 89.8251, 73.7674 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(210, 255, 209) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(210, 255, 209) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(210, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8470, 89.8251, 73.7674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 209) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(210,  
255, 209) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor