

# Converting Colors

XYZ(73.7778, 89.9294, 67.4416)

Have a look what the booklet for  
XYZ(73.7778, 89.9294, 67.4416)  
contains.

<b>XYZ(73.8004, 89.9397, 67.5032)</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(73.8004, 89.9397,  
67.5032)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6FFC7
RGB	214, 255, 199
RGB Percent	84%, 100%, 78%
CMY	0.1608, 0.0000, 0.2196
CMYK	0.16, 0.00, 0.22, 0.00
HSL	104°, 100%, 89%
HSV	104°, 22%, 100%
XYZ	73.8004, 89.9397, 67.5032
YIQ	236.3570, -6.4600, -26.1080

# Conversions

## Conversions Part 2

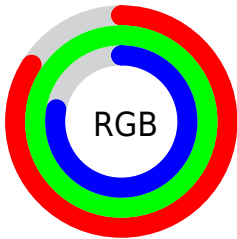
<b>Format</b>	<b>Color</b>
<b>RYB</b>	199, 255, 240
Decimal	14090183
CIELab	95.97, -23.08, 22.52
CIELCh	96, 32.242, 135.701
Yxy	89.9397, 0.3191, 0.3889
Android (android.graphics.Color)	4292280263 (0xFFD6FFC7)
YUV	236.3570, -18.4170, -19.6071
Hunter-Lab	94.8365, -27.0579, 24.1839

# Details

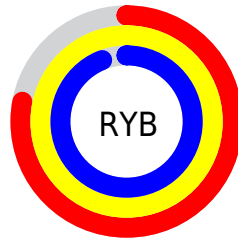
The XYZ color **73.8004, 89.9397, 67.5032** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.4094, 66.5933, 103.5397**, and the grayscale version is **80.1422, 84.3158, 91.8199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6030, 49.8034, 34.3138** is the 20% darker color. If you saturate the color by 10%, you get **65.9429, 86.2029, 52.9537**, and if you desaturate by 10%, it is **82.7797, 94.1974, 84.6976**.

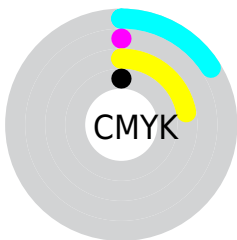
# Distribution



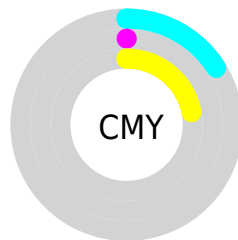
- Red (84%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (94%)



- Cyan (16%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8004, 89.9397, 67.5032 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 73.8004, 89.9397, 67.5032 by changing the saturation by 10% instead.




 73.8004, 89.9397,  
67.5032

 73.8004, 89.9397,  
67.5032


462.8452,  
527.8347, 470.2840

 54.9214, 67.9306,  
49.0295


123.6098,  
147.2546, 117.2886

 39.5724, 49.8413,  
34.2771


155.2710,  
183.3293, 149.4375

 27.3880, 35.2873,  
22.8275


191.9235,  
224.8613, 186.9817

 18.0029, 23.8843,  
14.2621

233.9329,  
272.2349, 230.3400

 11.0518, 15.2478,  
8.1623

281.6644,  
325.8347, 279.9309

 6.1692, 8.9935,  
4.1097

335.4833,

 2.9899, 4.7369,

386.0450, 336.1728

1.6857

395.7551,  
453.2502, 399.4843

■ 1.1484, 2.0938,  
0.3509

■ 0.0651, 0.6611,  
0.0000

■ 73.8004, 89.9397,  
67.5032

■ 73.8004, 89.9397,  
67.5032

■ 65.9429, 86.2029,  
52.9537

■ 82.7797, 94.1974,  
84.6976

■ 59.1599, 82.9656,  
40.9138

■ 92.9222, 98.9948,  
104.6546

■ 53.4030, 80.2059,  
31.2426

■ 95.0500, 100.0000,  
108.9000

■ 48.6191, 77.8998,  
23.7835

■ 44.7500, 76.0213,  
18.3611

■ 41.7307, 74.5410,  
14.7734

■ 39.4857, 73.4256,  
12.7769

■ 38.1650, 72.7598,  
12.0326

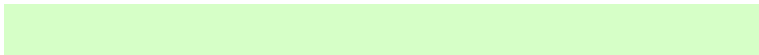
# Harmonies

## Analogous

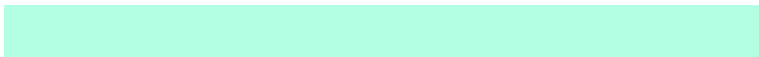
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9321, 89.9397, 57.8819



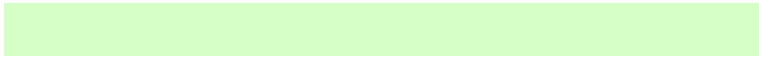
73.8004, 89.9397, 67.5032



69.9351, 89.9397, 86.3036

# Triad

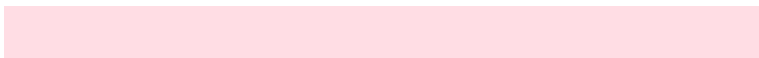
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8004, 89.9397, 67.5032



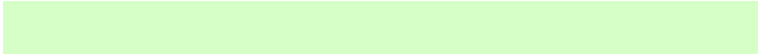
81.3230, 89.9397, 153.5836



103.0613, 89.9397, 85.2425

# Complementary

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



73.8004, 89.9397, 67.5032



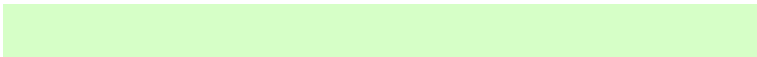
74.4094, 66.5933, 103.5397

# Split Complementary

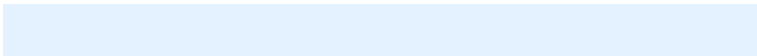
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.1842, 89.9397, 110.5542



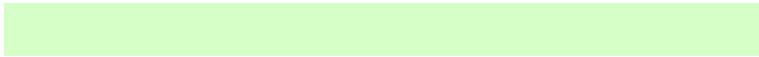
73.8004, 89.9397, 67.5032



90.2055, 89.9397, 153.1647

# Square

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



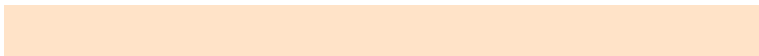
73.8004, 89.9397, 67.5032



74.0694, 89.9397, 137.4096



98.3421, 89.9397, 136.3488

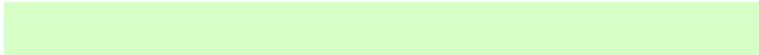


98.0171, 89.9397, 66.8432

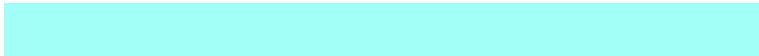


# Rectangle

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



73.8004, 89.9397, 67.5032



69.5457, 89.9397, 102.8841



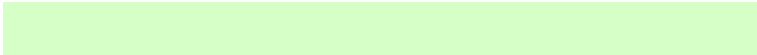
98.3421, 89.9397, 136.3488



103.6907, 89.9397, 93.1357

# Sweetspot

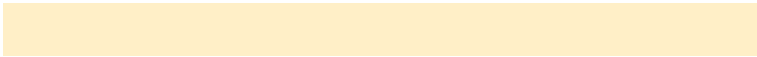
The Sweet Spot groups the original color and five complimentary colors.



73.8010, 89.9399, 67.5046



87.6623, 96.5083, 94.2434



82.4548, 87.1951, 66.5186



18.6328, 20.5950, 19.9154



0.0000, 0.0000, 0.0000

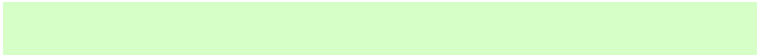


20.3446, 21.4041, 23.3091

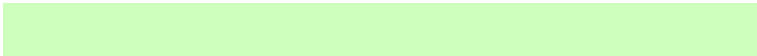


# Same Dimension

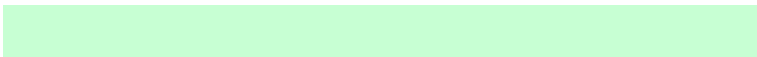
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8010, 89.9399, 67.5046



70.4939, 88.3686, 61.3150



71.0886, 88.3723, 75.0276



18.2279, 20.4034, 19.1219



20.0620, 38.0804, 6.2929



2.0518, 3.7585, 0.6173



# Inverse Universe

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



74.4094, 66.5933, 103.5397



71.1889, 61.5324, 102.7326



77.8215, 68.5709, 93.8227



18.2902, 18.0413, 22.7683



20.2507, 9.3501, 50.1720

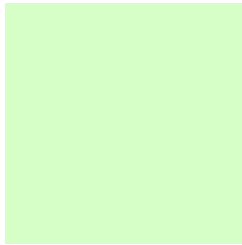


2.0757, 0.9640, 4.8899



# Previews

## White Background



This preview shows how the XYZ color 73.8004, 89.9397, 67.5032 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 73.8004, 89.9397, 67.5032 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

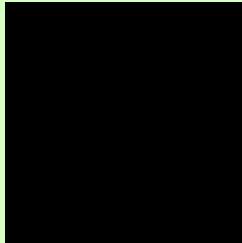
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

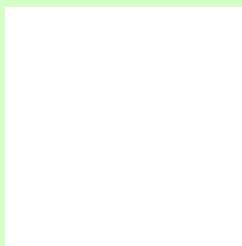
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.8004, 89.9397, 67.5032**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8004, 89.9397, 67.5032.



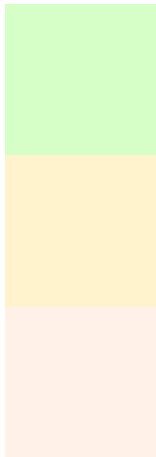
This preview shows how white text looks on a background with the XYZ color 73.8004, 89.9397,



# 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

73.8004, 89.9397, 67.5032

### Protanopia

84.3100, 89.7690, 70.6411

### Deuteranopia

86.9656, 89.4064, 89.0175



## Tritanopia

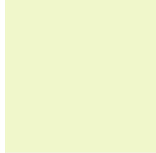
84.6341, 90.0172, 107.5221

# Trichromacy



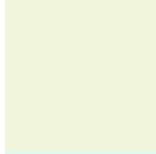
## Original Color

73.8004, 89.9397, 67.5032



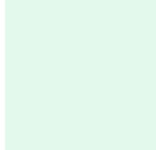
## Protanomaly

79.9754, 89.3586, 69.5327



## Deuteranomaly

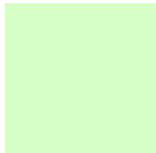
81.5059, 88.9974, 80.5925



## Tritanomaly

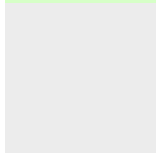
80.5496, 90.0804, 91.7391

# Monochromacy



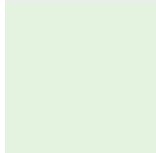
## Original Color

73.8004, 89.9397, 67.5032



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.3648, 85.9229, 82.3193

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8004, 89.9397, 67.5032 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(214, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 199)  
}
```

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(214, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8004, 89.9397, 67.5032 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(214, 255, 199) }
```



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

```
.border{ border-color:rgb(214, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8004, 89.9397, 67.5032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 199) }
```

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

```
.background{ background-color: rgb(214,  
255, 199) }
```

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