

# Converting Colors

XYZ(73.3531, 89.6409, 70.5630)

Have a look what the booklet for  
XYZ(73.3531, 89.6409, 70.5630)  
contains.

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# **Color**

**XYZ(73.2374, 89.5813,  
70.5576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FFCC
RGB	210, 255, 204
RGB Percent	82%, 100%, 80%
CMY	0.1765, 0.0000, 0.2000
CMYK	0.18, 0.00, 0.20, 0.00
HSL	113°, 100%, 90%
HSV	113°, 20%, 100%
XYZ	73.2374, 89.5813, 70.5576
YIQ	235.7310, -10.4490, -25.4010

# Conversions

## Conversions Part 2

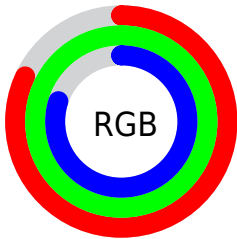
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 255, 249
Decimal	13828044
CIELab	95.82, -23.61, 19.73
CIELCh	96, 30.763, 140.115
Yxy	89.5813, 0.3138, 0.3838
Android (android.graphics.Color)	4292018124 (0xFFD2FFCC)
YUV	235.7310, -15.6434, -22.5661
Hunter-Lab	94.6474, -27.5111, 22.0538

# Details

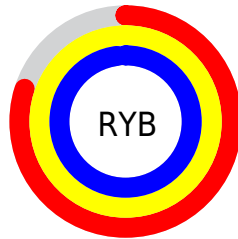
The XYZ color **73.2374, 89.5813, 70.5576** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.7106, 70.5466, 104.0761**, and the grayscale version is **79.6441, 83.7918, 91.2493**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.2167, 49.5587, 36.3530** is the 20% darker color. If you saturate the color by 10%, you get **64.4626, 85.3826, 55.4672**, and if you desaturate by 10%, it is **83.4148, 94.4451, 88.3301**.

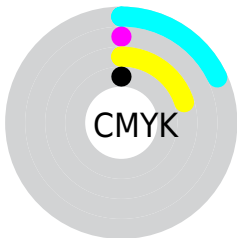
# Distribution



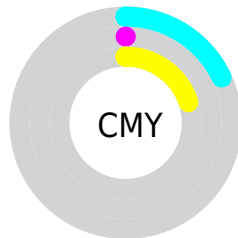
- Red (82%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (98%)



- Cyan (18%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2374, 89.5813, 70.5576 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 73.2374, 89.5813, 70.5576 by changing the saturation by 10% instead.




 73.2374, 89.5813,  
70.5576

 73.2374, 89.5813,  
70.5576


460.9282,  
526.6679, 481.3473

 54.4592, 67.6334,  
51.5016


122.8155,  
146.7567, 121.6922

 39.2010, 49.5996,  
36.2285


154.3461,  
182.7529, 154.6078

 27.0976, 35.0953,  
24.3196


190.8581,  
224.2008, 192.9805

 17.7835, 23.7363,  
15.3565

232.7170,  
271.4847, 237.2286

 10.8934, 15.1381,  
8.9206

280.2881,  
324.9889, 287.7709

 6.0620, 8.9164,  
4.5933

333.9368,

 2.9238, 4.6867,

385.0979, 345.0257

1.9562

394.0284,  
452.1961, 409.4117

■ 1.1136, 2.0646,  
0.5281

■ 0.0365, 0.6446,  
0.0000

■ 73.2374, 89.5813,  
70.5576

■ 73.2374, 89.5813,  
70.5576

■ 64.4626, 85.3826,  
55.4672

■ 83.4148, 94.4451,  
88.3301

■ 57.0271, 81.8193,  
42.9250

95.0500, 100.0000,  
108.9000

■ 50.8649, 78.8605,  
32.7914

■ 45.9041, 76.4724,  
24.9122

■ 42.0652, 74.6177,  
19.1150

■ 39.2591, 73.2548,  
15.2026

■ 37.3829, 72.3357,  
12.9403

■ 36.2954, 71.7960,  
11.9451

■ 36.2953, 71.7960,  
11.9451

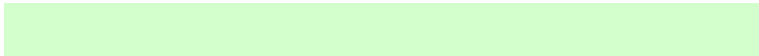
# Harmonies

## Analogous

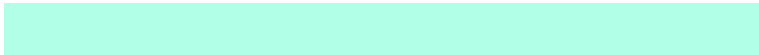
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6600, 89.5813, 59.9373



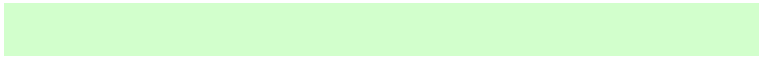
73.2374, 89.5813, 70.5576



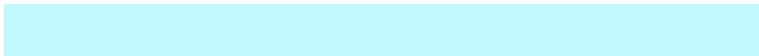
70.0723, 89.5813, 89.7407

# Triad

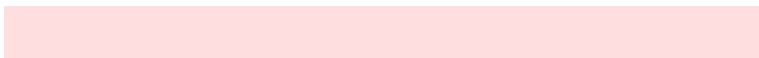
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.2374, 89.5813, 70.5576



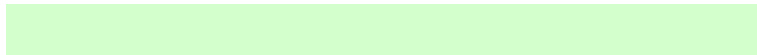
82.3760, 89.5813, 151.1447



101.3885, 89.5813, 82.3472

# Complementary

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



73.2374, 89.5813, 70.5576



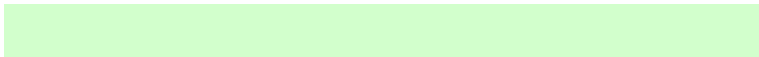
78.7106, 70.5466, 104.0761

# 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.



102.2361, 89.5813, 105.7761



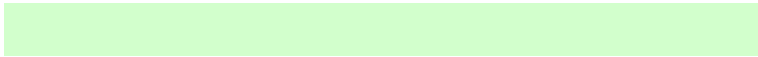
73.2374, 89.5813, 70.5576



90.8748, 89.5813, 148.2779

# Square

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



73.2374, 89.5813, 70.5576



75.1121, 89.5813, 137.9307



98.2766, 89.5813, 130.6469

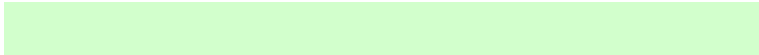


96.0323, 89.5813, 65.9197

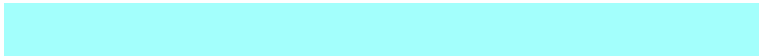


# Rectangle

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



73.2374, 89.5813, 70.5576



70.0822, 89.5813, 105.9702



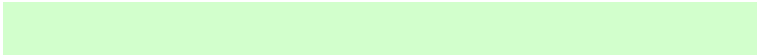
98.2766, 89.5813, 130.6469



102.2233, 89.5813, 89.5669

# Sweetspot

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



73.2380, 89.5815, 70.5590



87.8901, 96.5823, 96.2146



85.7683, 92.8778, 70.5348



18.6522, 20.5962, 20.3116



0.0000, 0.0000, 0.0000

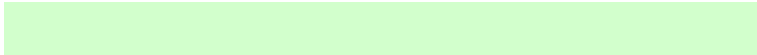


20.3446, 21.4041, 23.3091

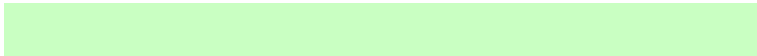


# Same Dimension

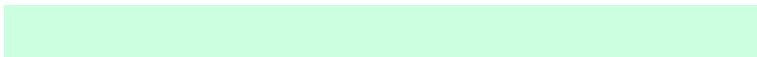
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2380, 89.5815, 70.5590



69.5623, 87.8234, 64.2065



73.9414, 89.6693, 83.0119



17.9700, 20.2704, 19.1098



19.0273, 37.5470, 6.2445



1.9132, 3.6870, 0.6108



# Inverse Universe

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



78.7106, 70.5466, 104.0761



75.9381, 65.6347, 103.2741



78.0174, 70.5204, 89.0860



18.5699, 18.1855, 22.7814



25.7407, 12.1803, 50.4289

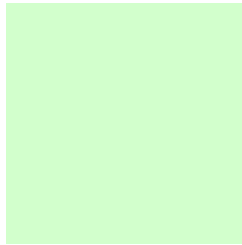


2.5633, 1.2153, 4.9128



# Previews

## White Background



This preview shows how the XYZ color 73.2374, 89.5813, 70.5576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

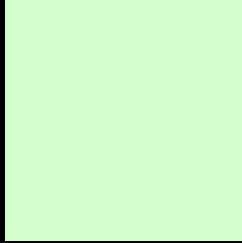
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.2374, 89.5813, 70.5576 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

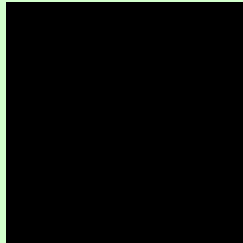
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

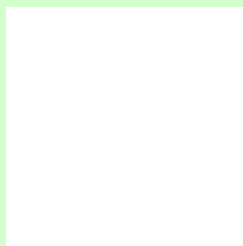
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.2374, 89.5813, 70.5576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.2374, 89.5813, 70.5576.



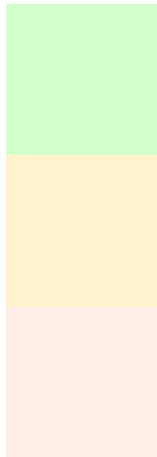
This preview shows how white text looks on a background with the XYZ color 73.2374, 89.5813,

70.5576.

# 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

73.2374, 89.5813, 70.5576

### Protanopia

83.8912, 89.1239, 69.9078

### Deuteranopia

86.6720, 88.8192, 88.9196



## Tritanopia

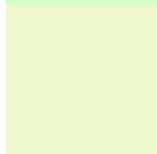
83.6574, 89.5137, 107.4764

# Trichromacy



## Original Color

73.2374, 89.5813, 70.5576



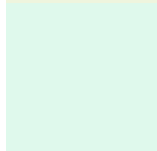
## Protanomaly

79.7565, 89.2319, 70.1466



## Deuteranomaly

81.4338, 88.9295, 81.9803



## Tritanomaly

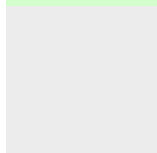
79.4474, 89.4955, 92.4439

# Monochromacy



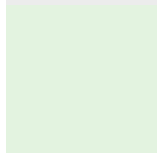
## Original Color

73.2374, 89.5813, 70.5576



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.1837, 85.8139, 83.0167

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.2374, 89.5813, 70.5576 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2374, 89.5813, 70.5576 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, 204) }
```



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

```
.border{ border-color:rgb(210, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.2374, 89.5813, 70.5576 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, 204) }
```

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

```
.background{ background-color: rgb(210,  
255, 204) }
```

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](#).

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