

Converting Colors

XYZ(67.9889, 70.5970, 51.1175)

Have a look what the booklet for
XYZ(67.9889, 70.5970, 51.1175)
contains.

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Color

**XYZ(67.9889, 70.5970,
51.1175)**

Conversions

Conversions Part 1

Format	Color
Hex	EFD8B0
RGB	239, 216, 176
RGB Percent	94%, 85%, 69%
CMY	0.0627, 0.1529, 0.3098
CMYK	0.00, 0.10, 0.26, 0.06
HSL	38°, 66%, 81%
HSV	38°, 26%, 94%
XYZ	67.9889, 70.5970, 51.1175
YIQ	218.3170, 26.5480, -7.5640

Conversions

Conversions Part 2

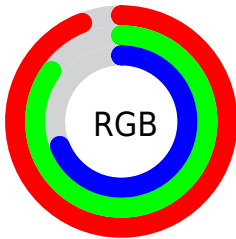
Format	Color
R _Y B	212, 239, 176
Decimal	15718576
CIE Lab	87.29, 1.96, 22.64
CIE LCh	87, 22.727, 85.061
Yxy	70.5970, 0.3584, 0.3721
Android (android.graphics.Color)	4293908656 (0xFFEFD8B0)
YUV	218.3170, -20.8623, 18.1390
Hunter-Lab	84.0220, -2.6000, 22.7444

Details

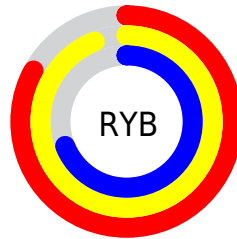
The XYZ color **67.9889, 70.5970, 51.1175** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.9075, 56.3074, 89.6887**, and the grayscale version is **66.9875, 70.4761, 76.7485**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **35.6114, 36.8649, 23.9776** is the 20% darker color. If you saturate the color by 10%, you get **63.6539, 65.3837, 39.0149**, and if you desaturate by 10%, it is **72.8627, 76.2205, 65.4553**.

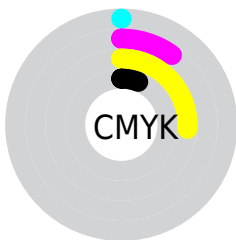
Distribution



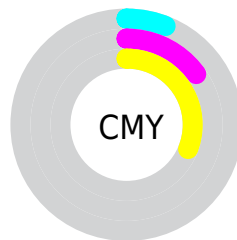
- Red (94%)
- Green (85%)
- Blue (69%)



- Red (83%)
- Yellow (94%)
- Blue (69%)



- Cyan (0%)
- Magenta (10%)
- Yellow (26%)
- Black (6%)



- Cyan (6%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9889, 70.5970, 51.1175 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 67.9889, 70.5970, 51.1175 by changing the saturation by 10% instead.

67.9889, 70.5970,
51.1175

67.9889, 70.5970,
51.1175

442.8340,
462.6434, 407.8797

50.1623, 52.0134,
35.9248

115.3783,
120.0597, 93.2417

35.7607, 37.0157,
24.0869

145.6718,
151.7076, 121.0103

24.4187, 25.2197,
15.1853

180.8517,
188.4791, 153.8078

15.7709, 16.2408,
8.8014

221.2833,
230.7585, 192.0529

9.4520, 9.6947,
4.5169

267.3320,
278.9302, 236.1641

5.0966, 5.1970,
1.9130

319.3631,

2.3394, 2.3633,

333.3787, 286.5600

0.5010

377.7420,
394.4883, 343.6590

■ 0.8147, 0.8069,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9889, 70.5970,
51.1175

■ 67.9889, 70.5970,
51.1175

■ 63.6539, 65.3837,
39.0149

■ 72.8627, 76.2205,
65.4553

■ 59.8284, 60.5588,
29.0275

■ 78.2917, 82.2564,
82.1309

■ 56.4886, 56.1121,
21.0307

■ 84.2984, 88.7189,
101.2461

■ 53.6062, 52.0292,
14.8848

■ 88.1126, 94.5026,
108.2045

■ 51.1494, 48.2944,
10.4319

■ 89.4067, 97.0908,
108.6359

■ 49.0813, 44.8895,
7.4875

■ 47.3560, 41.7931,
5.8208

■ 46.7869, 40.7312,
5.3960

Harmonies

Analogous

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



73.1592, 70.5970, 55.1785



67.9889, 70.5970, 51.1175



62.8410, 70.5970, 53.1721

Triad

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



67.9889, 70.5970, 51.1175



58.2155, 70.5970, 90.0203



75.8817, 70.5970, 94.9845

Complementary

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



67.9889, 70.5970, 51.1175



53.9075, 56.3074, 89.6887

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.



71.5479, 70.5970, 106.7281



67.9889, 70.5970, 51.1175



61.3856, 70.5970, 103.6058

Square

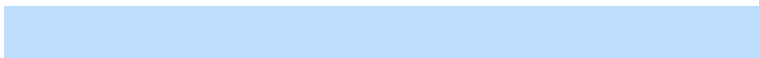
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.9889, 70.5970, 51.1175



57.3743, 70.5970, 74.3622



66.2195, 70.5970, 110.0748



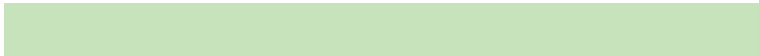
77.8678, 70.5970, 79.4297

Rectangle

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



67.9889, 70.5970, 51.1175



60.0860, 70.5970, 57.8979



66.2195, 70.5970, 110.0748



74.6404, 70.5970, 99.5862

Sweetspot

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



67.9907, 70.6002, 51.1190



89.6081, 94.0960, 91.7341



61.4430, 53.5304, 61.1885



18.9711, 19.9104, 18.9875



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.



67.9907, 70.6002, 51.1190



75.8053, 78.2600, 50.8487



71.5294, 81.7903, 53.0924



16.6096, 17.4324, 16.6391



25.9847, 22.7674, 3.0250



2.2560, 2.0827, 0.2831

Inverse Universe

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



53.9075, 56.3074, 89.6887



56.7716, 58.9487, 102.9938



50.9693, 47.5234, 88.1481



15.3696, 16.1734, 20.0333



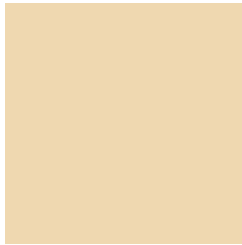
10.6178, 7.4599, 46.0082



0.9749, 0.8038, 3.8580

Previews

White Background



This preview shows how the XYZ color 67.9889, 70.5970, 51.1175 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 67.9889, 70.5970, 51.1175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

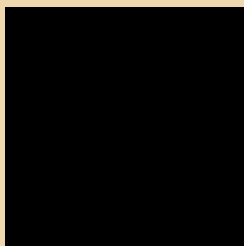
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.9889, 70.5970, 51.1175

Background



This preview shows how black text looks on a background with the XYZ color 67.9889, 70.5970, 51.1175.



This preview shows how white text looks on a background with the XYZ color 67.9889, 70.5970,

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

67.9889, 70.5970, 51.1175

Protanopia

66.2859, 70.4729, 51.7040

Deuteranopia

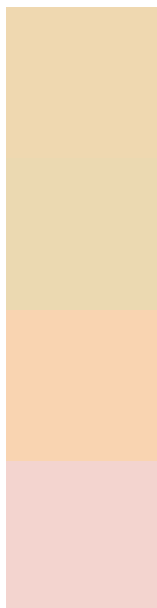
71.8555, 70.3383, 51.3844



Tritanopia

74.0473, 70.4496, 80.9296

Trichromacy



Original Color

67.9889, 70.5970, 51.1175

Protanomaly

67.0096, 70.4622, 51.6638

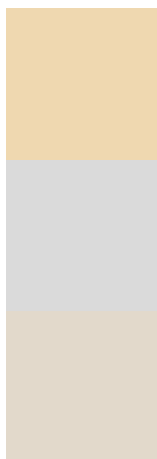
Deuteranomaly

70.5462, 70.4010, 51.4655

Tritanomaly

71.7681, 70.6466, 68.8851

Monochromacy



Original Color

67.9889, 70.5970, 51.1175

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.9564, 70.1063, 66.5028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9889, 70.5970, 51.1175 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(239, 216, 176)` looks like.

```
.text, #text, p{  
    color:rgb(239, 216, 176)  
}
```

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(239, 216, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 216, 176) }
```

Border

The CSS property to change the border of an element to XYZ 67.9889, 70.5970, 51.1175 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(239, 216, 176) }
```


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

```
.border{ border-color:rgb(239, 216, 176) }
```

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

Here you see how a box with a 4 pixel rgb(239, 216, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 216, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 216, 176);  
box-shadow:4px 4px 4px 4px rgb(239, 216,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9889, 70.5970, 51.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 216, 176) }
```

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

```
.background{ background-color: rgb(239,  
216, 176) }
```

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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