

Converting Colors

XYZ(67.7981, 71.3847, 45.8026)

Have a look what the booklet for
XYZ(67.7981, 71.3847, 45.8026)
contains.

XYZ(67.7981, 71.3847, 45.8026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.7981, 71.3847,
45.8026)**

Conversions

Conversions Part 1

Format	Color
Hex	F0DAA5
RGB	240, 218, 165
RGB Percent	94%, 85%, 65%
CMY	0.0588, 0.1451, 0.3529
CMYK	0.00, 0.09, 0.31, 0.06
HSL	42°, 71%, 79%
HSV	42°, 31%, 94%
XYZ	67.7981, 71.3847, 45.8026
YIQ	218.5360, 30.1250, -11.8190

Conversions

Conversions Part 2

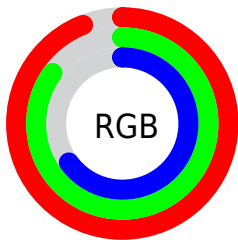
Format	Color
R _Y B	196, 240, 165
Decimal	15784613
CIE Lab	87.67, -0.11, 28.89
CIE LCh	88, 28.889, 90.222
Yxy	71.3847, 0.3665, 0.3859
Android (android.graphics.Color)	4293974693 (0xFFF0DAA5)
YUV	218.5360, -26.3932, 18.8239
Hunter-Lab	84.4895, -4.6202, 27.0009

Details

The XYZ color **67.7981, 71.3847, 45.8026** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.0151, 49.8298, 89.4729**, and the grayscale version is **67.1744, 70.6727, 76.9626**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **35.6063, 37.4539, 20.9755** is the 20% darker color. If you saturate the color by 10%, you get **64.0294, 67.0210, 34.7617**, and if you desaturate by 10%, it is **72.0580, 76.0739, 59.0311**.

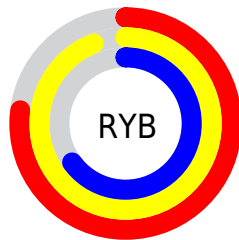
Distribution



Red (94%)

Green (85%)

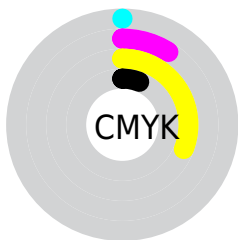
Blue (65%)



Red (77%)

Yellow (94%)

Blue (65%)

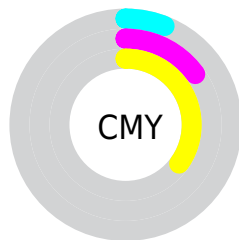


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (6%)



Cyan (6%)

Magenta (15%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7981, 71.3847, 45.8026 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 67.7981, 71.3847, 45.8026 by changing the saturation by 10% instead.

67.7981, 71.3847,
45.8026

67.7981, 71.3847,
45.8026

442.1683,
465.3971, 386.2690

50.0066, 52.6562,
31.7425

115.1068,
121.1813, 85.2547

35.6364, 37.5284,
20.9017

145.3546,
153.0183, 111.4837

24.3223, 25.6169,
12.8616

180.4853,
189.9934, 142.6062

15.6989, 16.5372,
7.2037

220.8641,
232.4913, 179.0407

9.4009, 9.9051,
3.5095

266.8565,
280.8962, 221.2057

5.0628, 5.3361,
1.3603

318.8277,

2.3193, 2.4458,

335.5925, 269.5197

0.1105

377.1432,
396.9647, 324.4013

■ 0.8045, 0.8493,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.7981, 71.3847,
45.8026

■ 67.7981, 71.3847,
45.8026

■ 64.0294, 67.0210,
34.7617

■ 72.0580, 76.0739,
59.0311

■ 60.7224, 62.9620,
25.7827

■ 76.8256, 81.0892,
74.5548

■ 57.8527, 59.1988,
18.7337

■ 82.1235, 86.4436,
92.4792

■ 55.3911, 55.7183,
13.4658

■ 86.9894, 91.7537,
107.7331

■ 53.3042, 52.5054,
9.8079

■ 89.1728, 96.1205,
108.4609

■ 51.5522, 49.5426,
7.5551

■ 89.7452, 97.2653,
108.6517

■ 50.2384, 47.1316,
6.4495

Harmonies

Analogous

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



74.5964, 71.3847, 49.3899



67.7981, 71.3847, 45.8026



61.4387, 71.3847, 49.4978

Triad

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



67.7981, 71.3847, 45.8026



57.1020, 71.3847, 98.2800



79.9232, 71.3847, 97.9849

Complementary

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



67.7981, 71.3847, 45.8026



49.0151, 49.8298, 89.4729

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.



74.6904, 71.3847, 115.0491



67.7981, 71.3847, 45.8026



61.5213, 71.3847, 115.2386

Square

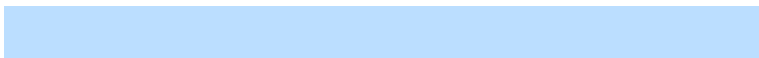
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7981, 71.3847, 45.8026



55.5226, 71.3847, 77.8717



67.9000, 71.3847, 121.8305



81.8768, 71.3847, 77.5800

Rectangle

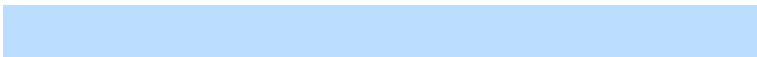
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7981, 71.3847, 45.8026



58.2302, 71.3847, 56.0210



67.9000, 71.3847, 121.8305



78.4727, 71.3847, 104.4174

Sweetspot

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



67.7999, 71.3880, 45.8041



89.4630, 94.3898, 89.8850



58.4141, 49.0456, 53.6836



18.9656, 20.0156, 18.6272



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.



67.7999, 71.3880, 45.8041



75.2019, 78.9402, 44.8300



69.0033, 81.0445, 47.6046



16.7086, 17.6304, 16.6721



27.6219, 26.0418, 3.5707



2.3835, 2.3376, 0.3256

Inverse Universe

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



49.0151, 49.8298, 89.4729



50.7290, 50.8637, 101.7517



48.0065, 42.9058, 88.1896



15.2750, 15.9840, 20.0018



9.9217, 6.0676, 45.7761



0.9083, 0.6706, 3.8358

Previews

White Background



This preview shows how the XYZ color 67.7981, 71.3847, 45.8026 looks on a white background.

Color Contrast Check

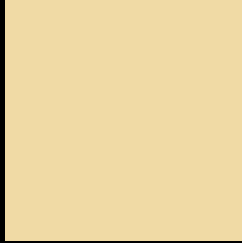
Large Text (above 18pt) WCAG AA × Fail

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 67.7981, 71.3847, 45.8026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

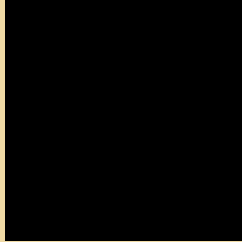
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.7981, 71.3847, 45.8026

Background



This preview shows how black text looks on a background with the XYZ color 67.7981, 71.3847, 45.8026.



This preview shows how white text looks on a background with the XYZ color 67.7981, 71.3847,

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

67.7981, 71.3847, 45.8026

Protanopia

66.7371, 71.6017, 46.3795

Deuteranopia

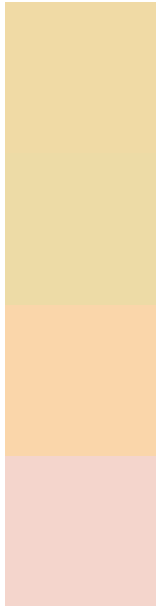
72.3263, 71.3641, 49.4978



Tritanopia

75.1318, 71.3583, 81.7652

Trichromacy



Original Color

67.7981, 71.3847, 45.8026

Protanomaly

67.1395, 71.4207, 46.3233

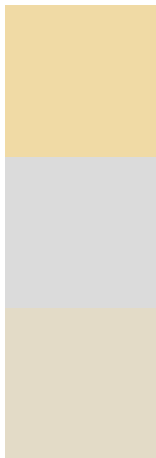
Deuteranomaly

70.7266, 71.3194, 48.0685

Tritanomaly

72.0016, 71.1812, 67.0712

Monochromacy



Original Color

67.7981, 71.3847, 45.8026

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3189, 71.1175, 64.2118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7981, 71.3847, 45.8026 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(240, 218, 165)` looks like.

```
.text, #text, p{  
    color:rgb(240, 218, 165)  
}
```

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(240, 218, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 218, 165) }
```

Border

The CSS property to change the border of an element to XYZ 67.7981, 71.3847, 45.8026 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(240, 218, 165) }
```


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

```
.border{ border-color:rgb(240, 218, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 218, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 218, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 218, 165);  
box-shadow:4px 4px 4px 4px rgb(240, 218,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7981, 71.3847, 45.8026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 218, 165) }
```

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

```
.background{ background-color: rgb(240,  
218, 165) }
```

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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