

Converting Colors

XYZ(68.5825, 71.2844, 54.2255)

Have a look what the booklet for
XYZ(68.5825, 71.2844, 54.2255)
contains.

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Color

**XYZ(68.5162, 71.1803,
54.3839)**

Conversions

Conversions Part 1

Format	Color
Hex	EED9B6
RGB	238, 217, 182
RGB Percent	93%, 85%, 71%
CMY	0.0667, 0.1490, 0.2863
CMYK	0.00, 0.09, 0.24, 0.07
HSL	38°, 62%, 82%
HSV	38°, 24%, 93%
XYZ	68.5162, 71.1803, 54.3839
YIQ	219.2890, 23.7510, -6.4330

Conversions

Conversions Part 2

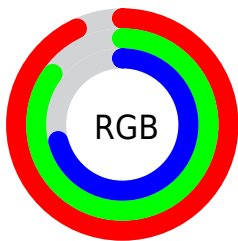
Format	Color
R _Y B	216, 238, 182
Decimal	15653302
CIE Lab	87.57, 1.89, 19.89
CIE LCh	88, 19.979, 84.581
Yxy	71.1803, 0.3530, 0.3668
Android (android.graphics.Color)	4293843382 (0xFFEED9B6)
YUV	219.2890, -18.3835, 16.4095
Hunter-Lab	84.3684, -2.6836, 20.8395

Details

The XYZ color **68.5162, 71.1803, 54.3839** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.0794, 58.8282, 89.2884**, and the grayscale version is **67.6463, 71.1692, 77.5032**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **36.1742, 37.3707, 26.0756** is the 20% darker color. If you saturate the color by 10%, you get **64.0251, 65.8052, 41.7660**, and if you desaturate by 10%, it is **73.5535, 76.9778, 69.2478**.

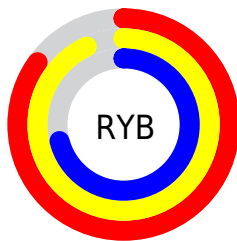
Distribution



Red (93%)

Green (85%)

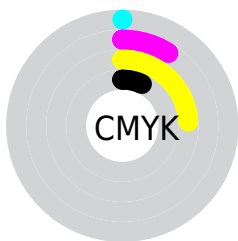
Blue (71%)



Red (85%)

Yellow (93%)

Blue (71%)

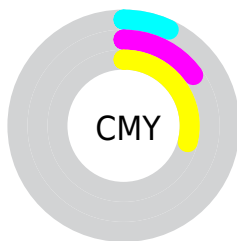


Cyan (0%)

Magenta (9%)

Yellow (24%)

Black (7%)



Cyan (7%)


Magenta (15%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5162, 71.1803, 54.3839 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 68.5162, 71.1803, 54.3839 by changing the saturation by 10% instead.


 68.5162, 71.1803,
54.3839

 68.5162, 71.1803,
54.3839


444.6709,
464.6835, 420.7882

 50.5930, 52.4893,
38.5134


 116.1282,
120.8904, 98.0998

 36.1045, 37.3953,
26.0765


146.5476,
152.6784, 126.7822

 24.6854, 25.5137,
16.6546


181.8633,
189.6008, 160.5724

 15.9703, 16.4602,
9.8292

222.4404,
232.0420, 199.8888

 9.5939, 9.8504,
5.1817

268.6443,
280.3865, 245.1501

 5.1907, 5.2999,
2.2937

320.8405,

 2.3955, 2.4243,

335.0187, 296.7747

0.7277

379.3942,
396.3229, 355.1812

■ 0.8429, 0.8383,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5162, 71.1803,
54.3839

■ 68.5162, 71.1803,
54.3839

■ 64.0251, 65.8052,
41.7660

■ 73.5535, 76.9778,
69.2478

■ 60.0515, 60.8305,
31.2778

■ 79.1529, 83.1997,
86.4574

■ 56.5724, 56.2462,
22.7991

■ 85.3365, 89.8603,
106.1115

■ 53.5602, 52.0381,
16.1958

■ 88.3397, 95.4566,
108.3767

■ 50.9845, 48.1907,
11.3174

■ 89.0700, 96.9172,
108.6201

■ 48.8103, 44.6865,
7.9898

■ 46.9952, 41.5050,
6.0014

■ 45.9715, 39.6003,
5.2207

Harmonies

Analogous

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



73.0565, 71.1803, 58.1785



68.5162, 71.1803, 54.3839



63.9464, 71.1803, 56.1728

Triad

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



68.5162, 71.1803, 54.3839



59.7265, 71.1803, 88.8353



75.3299, 71.1803, 93.5778

Complementary

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



68.5162, 71.1803, 54.3839



56.0794, 58.8282, 89.2884

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.



71.5038, 71.1803, 103.6470



68.5162, 71.1803, 54.3839



62.5260, 71.1803, 100.6935

Square

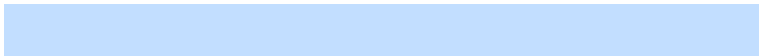
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5162, 71.1803, 54.3839



59.0093, 71.1803, 75.0724



66.8005, 71.1803, 106.3912



77.1059, 71.1803, 79.9861

Rectangle

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



68.5162, 71.1803, 54.3839



61.4775, 71.1803, 60.4125



66.8005, 71.1803, 106.3912



74.2325, 71.1803, 97.5469

Sweetspot

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



68.5181, 71.1835, 54.3854



90.2102, 94.7075, 93.7615



62.8236, 55.9679, 64.2844



19.2227, 20.1762, 19.8035



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.



68.5181, 71.1835, 54.3854



77.6571, 80.3184, 56.5379



72.1242, 81.5934, 56.2046



16.5960, 17.4052, 16.6345



25.7757, 22.3495, 2.9554



2.2395, 2.0497, 0.2776

Inverse Universe

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



56.0794, 58.8282, 89.2884



60.8591, 63.6362, 103.6831



53.0320, 50.3891, 87.8201



15.3828, 16.1997, 20.0377



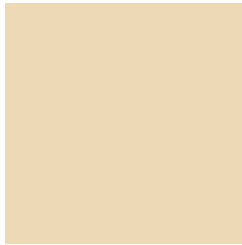
10.7277, 7.6796, 46.0448



0.9850, 0.8240, 3.8614

Previews

White Background



This preview shows how the XYZ color 68.5162, 71.1803, 54.3839 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 68.5162, 71.1803, 54.3839 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 68.5162, 71.1803, 54.3839

Background



This preview shows how black text looks on a background with the XYZ color 68.5162, 71.1803, 54.3839.

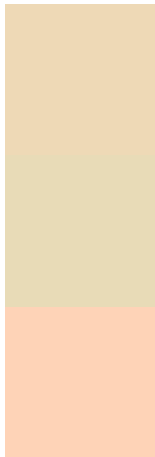


This preview shows how white text looks on a background with the XYZ color 68.5162, 71.1803,

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

68.5162, 71.1803, 54.3839

Protanopia

67.1575, 71.2377, 55.0104

Deuteranopia

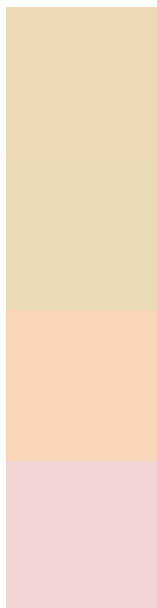
72.7146, 71.0783, 54.6868



Tritanopia

74.4676, 71.3677, 82.5235

Trichromacy



Original Color

68.5162, 71.1803, 54.3839

Protanomaly

67.5503, 71.0541, 54.9543

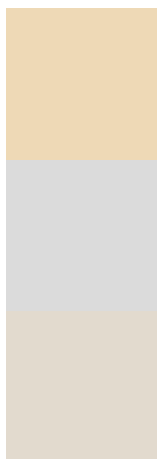
Deuteranomaly

71.0529, 70.9639, 54.7522

Tritanomaly

72.1701, 71.1689, 71.5612

Monochromacy



Original Color

68.5162, 71.1803, 54.3839

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.5760, 70.7678, 68.4904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5162, 71.1803, 54.3839 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(238, 217, 182)` looks like.

```
.text, #text, p{  
    color:rgb(238, 217, 182)  
}
```

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(238, 217, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 217, 182) }
```

Border

The CSS property to change the border of an element to XYZ 68.5162, 71.1803, 54.3839 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(238, 217, 182) }
```


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

```
.border{ border-color:rgb(238, 217, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 217, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 217, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 217, 182);  
box-shadow:4px 4px 4px 4px rgb(238, 217,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5162, 71.1803, 54.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 217, 182) }
```

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

```
.background{ background-color: rgb(238,  
217, 182) }
```

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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