

Converting Colors

XYZ(64.8496, 71.2390, 18.7201)

Have a look what the booklet for
XYZ(64.8496, 71.2390, 18.7201)
contains.

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Color

**XYZ(64.8496, 71.2390,
18.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	F5DC54
RGB	245, 220, 84
RGB Percent	96%, 86%, 33%
CMY	0.0392, 0.1372, 0.6706
CMYK	0.00, 0.10, 0.66, 0.04
HSL	51°, 89%, 65%
HSV	51°, 66%, 96%
XYZ	64.8496, 71.2390, 18.7201
YIQ	211.9710, 58.5560, -36.9960

Conversions

Conversions Part 2

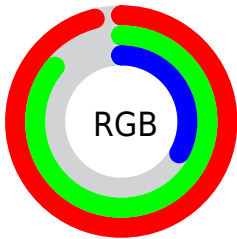
Format	Color
RYB	114, 245, 84
Decimal	16112724
CIELab	87.60, -6.38, 67.41
CIElCh	88, 67.713, 95.407
Yxy	71.2390, 0.4189, 0.4602
Android (android.graphics.Color)	4294302804 (0xFFF5DC54)
YUV	211.9710, -63.0897, 28.9664
Hunter-Lab	84.4032, -10.5585, 45.9321

Details

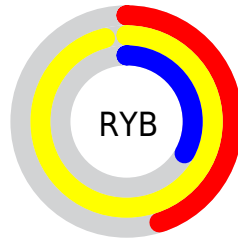
The XYZ color **64.8496, 71.2390, 18.7201** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **25.6062, 19.4142, 88.7833**, and the grayscale version is **62.9407, 66.2185, 72.1120**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **33.5981, 37.2787, 6.1342** is the 20% darker color. If you saturate the color by 10%, you get **63.0665, 68.9493, 14.1912**, and if you desaturate by 10%, it is **66.9942, 73.7150, 25.0259**.

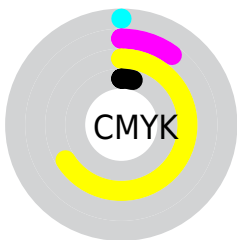
Distribution



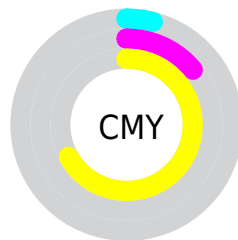
- Red (96%)
- Green (86%)
- Blue (33%)



- Red (45%)
- Yellow (96%)
- Blue (33%)



- Cyan (0%)
- Magenta (10%)
- Yellow (66%)
- Black (4%)



- Cyan (4%)
- Magenta (14%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8496, 71.2390, 18.7201 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 64.8496, 71.2390, 18.7201 by changing the saturation by 10% instead.

64.8496, 71.2390,
18.7201

64.8496, 71.2390,
18.7201

431.8051,
464.8885, 257.2702

47.6034, 52.5373,
11.2934

110.9005,
120.9740, 42.0910

33.7228, 37.4335,
6.1479

140.4359,
152.7760, 58.8723

22.8426, 25.5433,
2.8650

174.7984,
189.7136, 79.6089

14.5974, 16.4823,
1.0261

214.3534,
232.1711, 104.7193

8.6218, 9.8661,
0.0000

259.4662,
280.5329, 134.6221

4.5505, 5.3103,
0.0000

310.5022,

2.0180, 2.4304,

335.1835, 169.7358

0.0000

367.8267,
396.5072, 210.4790

■ 0.6441, 0.8415,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8496, 71.2390,
18.7201

■ 64.8496, 71.2390,
18.7201

■ 63.0665, 68.9493,
14.1912

■ 66.9942, 73.7150,
25.0259

■ 61.6029, 66.8209,
11.2414

■ 69.5270, 76.3802,
33.2702

■ 60.4151, 64.8386,
9.6327

■ 72.4775, 79.2492,
43.6011

■ 59.9605, 64.0215,
9.1971

■ 75.8712, 82.3326,
56.1511

■ 79.7311, 85.6397,
71.0419

■ 84.0790, 89.1795,
88.3861

■ 88.8536, 92.9277,
107.8615

■ 90.0263, 95.2731,
108.2524

■ 91.2228, 97.6662,
108.6512

Harmonies

Analogous

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



81.3554, 71.2390, 21.8276



64.8496, 71.2390, 18.7201



51.3867, 71.2390, 25.5949

Triad

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



64.8496, 71.2390, 18.7201



45.5802, 71.2390, 140.7228



99.7571, 71.2390, 120.3762

Complementary

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



64.8496, 71.2390, 18.7201



25.6062, 19.4142, 88.7833

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.



87.1699, 71.2390, 173.9701



64.8496, 71.2390, 18.7201



55.6835, 71.2390, 188.6037

Square

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



64.8496, 71.2390, 18.7201



41.4421, 71.2390, 86.1793



70.6544, 71.2390, 202.7014



103.2372, 71.2390, 69.5488

Rectangle

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



64.8496, 71.2390, 18.7201



45.3879, 71.2390, 37.4898



70.6544, 71.2390, 202.7014



96.3633, 71.2390, 139.2029

Sweetspot

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



64.8513, 71.2424, 18.7215



85.4252, 92.1918, 70.4192



43.6868, 26.8978, 17.8811



18.0320, 19.5156, 14.1013



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.



64.8513, 71.2424, 18.7215



68.4777, 74.6869, 14.2417



55.8226, 77.0642, 20.3211



17.6827, 18.8496, 17.5039



32.3859, 34.6573, 4.9826



2.9042, 3.1617, 0.4572

Inverse Universe

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



25.6062, 19.4142, 88.7833



22.7818, 14.4610, 96.1983



30.0786, 18.3090, 88.3342



15.7888, 16.3420, 20.8647



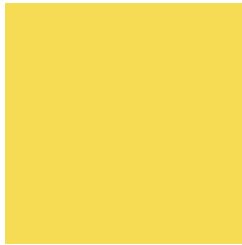
9.3157, 4.4253, 46.9012



0.8792, 0.5098, 4.1423

Previews

White Background



This preview shows how the XYZ color 64.8496, 71.2390, 18.7201 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 64.8496, 71.2390, 18.7201 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 64.8496, 71.2390, 18.7201

Background



This preview shows how black text looks on a background with the XYZ color 64.8496, 71.2390, 18.7201.



This preview shows how white text looks on a background with the XYZ color 64.8496, 71.2390,

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

64.8496, 71.2390, 18.7201

Protanopia

64.8496, 71.2390, 18.7201

Deuteranopia

70.7840, 71.1484, 40.1393



Tritanopia

76.7376, 71.1596, 78.7979

Trichromacy



Original Color

64.8496, 71.2390, 18.7201

Protanomaly

64.8496, 71.2390, 18.7201

Deuteranomaly

68.2358, 71.1795, 30.5647

Tritanomaly

70.7735, 70.5748, 48.9218

Monochromacy



Original Color

64.8496, 71.2390, 18.7201

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.8324, 67.1648, 45.3025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8496, 71.2390, 18.7201 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(245, 220, 84)` looks like.

```
.text, #text, p{  
    color:rgb(245, 220, 84)  
}
```

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(245, 220, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 220, 84) }
```

Border

The CSS property to change the border of an element to XYZ 64.8496, 71.2390, 18.7201 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(245, 220, 84) }
```


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

```
.border{ border-color:rgb(245, 220, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 220, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 220, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 220, 84);  
box-shadow:4px 4px 4px 4px rgb(245, 220,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8496, 71.2390, 18.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 220, 84) }
```

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

```
.background{ background-color: rgb(245,  
220, 84) }
```

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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