

Converting Colors

XYZ(64.8967, 67.6173, 12.7630)

Have a look what the booklet for
XYZ(64.8967, 67.6173, 12.7630)
contains.

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Color

**XYZ(64.8841, 67.5922,
12.7588)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD233
RGB	255, 210, 51
RGB Percent	100%, 82%, 20%
CMY	0.0000, 0.1764, 0.8000
CMYK	0.00, 0.18, 0.80, 0.00
HSL	47°, 100%, 60%
HSV	47°, 80%, 100%
XYZ	64.8841, 67.5922, 12.7588
YIQ	205.3290, 77.8590, -39.9090

Conversions

Conversions Part 2

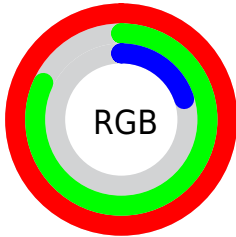
Format	Color
RYB	109, 255, 51
Decimal	16765491
CIELab	85.80, 1.45, 77.65
CIELCh	86, 77.665, 88.929
Yxy	67.5922, 0.4468, 0.4654
Android (android.graphics.Color)	4294955571 (0xFFFFD233)
YUV	205.3290, -76.0842, 43.5615
Hunter-Lab	82.2145, -3.0022, 48.3490

Details

The XYZ color **64.8841, 67.5922, 12.7588** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **23.5982, 16.2894, 96.5074**, and the grayscale version is **58.6748, 61.7304, 67.2244**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **34.1366, 35.2463, 5.0040** is the 20% darker color. If you saturate the color by 10%, you get **63.1046, 64.7001, 10.1110**, and if you desaturate by 10%, it is **67.0233, 70.7116, 17.0464**.

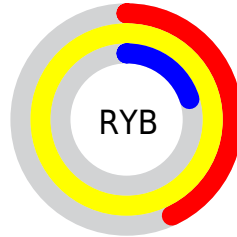
Distribution



Red (100%)

Green (82%)

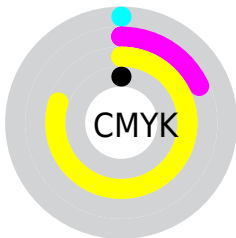
Blue (20%)



Red (43%)

Yellow (100%)

Blue (20%)

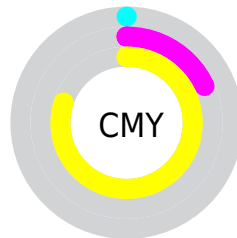


Cyan (0%)

Magenta (18%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8841, 67.5922, 12.7588 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 64.8841, 67.5922, 12.7588 by changing the saturation by 10% instead.

64.8841, 67.5922,
12.7588

64.8841, 67.5922,
12.7588

431.9272,
452.0498, 220.5193

47.6315, 49.5660,
7.1339

110.9498,
115.7686, 31.5546

33.7452, 35.0687,
3.4663

140.4937,
146.6876, 45.5625

22.8599, 23.7158,
1.3374

174.8653,
182.6730, 63.2019

14.6102, 15.1229,
0.0921

214.4300,
224.1092, 84.8913

8.6308, 8.9057,
0.0000

259.5532,
271.3805, 111.0492

4.5563, 4.6797,
0.0000

310.6002,

2.0214, 2.0606,

324.8715, 142.0941

0.0000

367.9364,
384.9665, 178.4446

■ 0.6460, 0.6423,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8841, 67.5922,
12.7588

■ 64.8841, 67.5922,
12.7588

■ 63.1046, 64.7001,
10.1110

■ 67.0233, 70.7116,
17.0464

■ 61.6076, 61.9956,
8.7195

■ 69.5622, 74.0671,
23.2021

■ 61.6072, 61.9949,
8.7192

■ 72.5396, 77.6776,
31.4222

■ 75.9885, 81.5572,
41.8768

■ 79.9383, 85.7181,
54.7185

■ 84.4156, 90.1720,
70.0863

■ 89.4454, 94.9295,
88.1086

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



83.5070, 67.5922, 17.6251



64.8841, 67.5922, 12.7588



49.1157, 67.5922, 16.9302

Triad

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



64.8841, 67.5922, 12.7588



38.7745, 67.5922, 131.6910



98.1160, 67.5922, 136.4081

Complementary

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



64.8841, 67.5922, 12.7588



23.5982, 16.2894, 96.5074

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.



82.1985, 67.5922, 196.4899



64.8841, 67.5922, 12.7588



48.1981, 67.5922, 192.9964

Square

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



64.8841, 67.5922, 12.7588



35.8174, 67.5922, 71.7854



63.6088, 67.5922, 220.8613



104.7425, 67.5922, 75.4377

Rectangle

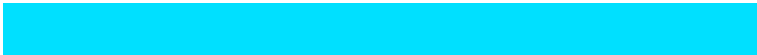
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8841, 67.5922, 12.7588



41.8060, 67.5922, 26.2621



63.6088, 67.5922, 220.8613



93.5458, 67.5922, 158.2494

Sweetspot

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



64.8856, 67.5955, 12.7601



82.5592, 88.3542, 63.6240



44.6570, 24.5214, 14.0850



17.3329, 18.5736, 12.4620



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.



64.8856, 67.5955, 12.7601



62.1843, 63.0591, 9.1871



60.3377, 84.1208, 16.1895



19.2014, 20.3709, 19.0643



32.3070, 32.6253, 4.5946



3.2255, 3.3364, 0.4740

Inverse Universe

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



23.5982, 16.2894, 96.5074



20.0220, 10.9744, 95.6707



25.1073, 12.6160, 95.7188



17.3278, 18.0273, 22.8163



10.2659, 5.4415, 49.9438



1.0762, 0.6830, 4.8884

Previews

White Background



This preview shows how the XYZ color 64.8841, 67.5922, 12.7588 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 64.8841, 67.5922, 12.7588 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 64.8841, 67.5922, 12.7588

Background



This preview shows how black text looks on a background with the XYZ color 64.8841, 67.5922, 12.7588.



This preview shows how white text looks on a background with the XYZ color 64.8841, 67.5922,

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

64.8841, 67.5922, 12.7588

Protanopia

61.1959, 67.5496, 13.0618

Deuteranopia

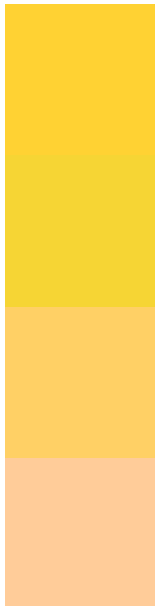
67.5821, 67.4974, 30.5854



Tritanopia

73.7779, 67.3220, 71.3933

Trichromacy



Original Color

64.8841, 67.5922, 12.7588

Protanomaly

62.4201, 67.4293, 12.9741

Deuteranomaly

66.1448, 67.3113, 21.8181

Tritanomaly

68.5826, 66.7456, 39.4055

Monochromacy



Original Color

64.8841, 67.5922, 12.7588

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.1691, 62.4835, 37.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8841, 67.5922, 12.7588 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(255, 210, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 210, 51)  
}
```

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(255, 210, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 210, 51) }
```

Border

The CSS property to change the border of an element to XYZ 64.8841, 67.5922, 12.7588 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(255, 210, 51) }
```


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

```
.border{ border-color:rgb(255, 210, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 210, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 210, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 210, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 210,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8841, 67.5922, 12.7588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 210, 51) }
```

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

```
.background{ background-color: rgb(255,  
210, 51) }
```

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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