

Converting Colors

XYZ(76.0186, 71.8232, 16.5544)

Have a look what the booklet for
XYZ(76.0186, 71.8232, 16.5544)
contains.

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Color

**XYZ(64.5813, 65.9106,
15.9748)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCE4B
RGB	255, 206, 75
RGB Percent	100%, 81%, 29%
CMY	0.0000, 0.1921, 0.7059
CMYK	0.00, 0.19, 0.71, 0.00
HSL	44°, 100%, 65%
HSV	44°, 71%, 100%
XYZ	64.5813, 65.9106, 15.9748
YIQ	205.7170, 71.2550, -30.3530

Conversions

Conversions Part 2

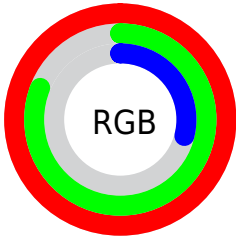
Format	Color
RYB	142, 255, 75
Decimal	16764491
CIELab	84.95, 4.44, 68.57
CIELCh	85, 68.712, 86.299
Yxy	65.9106, 0.4409, 0.4500
Android (android.graphics.Color)	4294954571 (0xFFFFCE4B)
YUV	205.7170, -64.4435, 43.2212
Hunter-Lab	81.1853, -0.0812, 45.1633

Details

The XYZ color **64.5813, 65.9106, 15.9748** 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 **28.1591, 23.1304, 97.5876**, and the grayscale version is **58.8539, 61.9189, 67.4297**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **33.4928, 33.9324, 4.8705** is the 20% darker color. If you saturate the color by 10%, you get **62.2434, 62.3631, 11.7185**, and if you desaturate by 10%, it is **67.3455, 69.7519, 22.0989**.

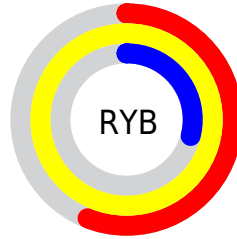
Distribution



Red (100%)

Green (81%)

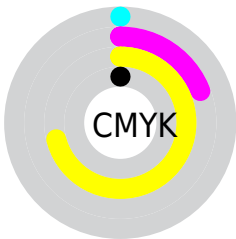
Blue (29%)



Red (56%)

Yellow (100%)

Blue (29%)

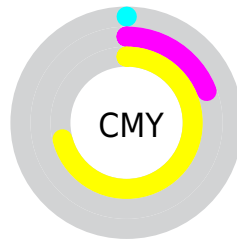


Cyan (0%)

Magenta (19%)

Yellow (71%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5813, 65.9106, 15.9748 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 64.5813, 65.9106, 15.9748 by changing the saturation by 10% instead.


 64.5813, 65.9106,
15.9748

 64.5813, 65.9106,
15.9748


430.8548,
446.0571, 241.0336


 47.3851, 48.1998,
9.3522


 110.5167,
113.3580, 37.3206


 33.5494, 33.9852,
4.8717


 139.9867,
143.8634, 52.8809

 22.7089, 22.8822,
2.1147


 174.2786,
179.4026, 72.2575

 14.4982, 14.5066,
0.6245

 213.7578,
220.3597, 95.8689

 8.5520, 8.4738,
0.0000

 258.7897,
267.1194, 124.1336

 4.5049, 4.3996,
0.0000

309.7396,

 1.9916, 1.8995,

320.0659, 157.4703

0.0000

366.9728,
379.5837, 196.2975

■ 0.6292, 0.5481,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.5813, 65.9106,
15.9748

■ 64.5813, 65.9106,
15.9748

■ 62.2434, 62.3631,
11.7185

■ 67.3455, 69.7519,
22.0989

■ 60.2818, 59.0801,
9.0908

■ 70.5698, 73.8941,
30.2836

■ 58.7127, 56.2058,
7.7543

■ 74.2890, 78.3554,
40.7018

■ 78.5333, 83.1490,
53.5072

■ 83.3299, 88.2874,
68.8395

■ 88.7041, 93.7821,
86.8280

94.6797, 99.6439,
107.5927

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



80.5977, 65.9106, 21.7363



64.5813, 65.9106, 15.9748



50.3958, 65.9106, 19.3547

Triad

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



64.5813, 65.9106, 15.9748



39.6292, 65.9106, 116.3929



90.7216, 65.9106, 130.0093

Complementary

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



64.5813, 65.9106, 15.9748



28.1591, 23.1304, 97.5876

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.



76.7362, 65.9106, 178.1102



64.5813, 65.9106, 15.9748



47.5799, 65.9106, 168.2414

Square

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



64.5813, 65.9106, 15.9748



37.4523, 65.9106, 66.4178



60.7498, 65.9106, 194.3834



97.1735, 65.9106, 77.3927

Rectangle

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



64.5813, 65.9106, 15.9748



43.5468, 65.9106, 27.6038



60.7498, 65.9106, 194.3834



86.6441, 65.9106, 147.9596

Sweetspot

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



64.5828, 65.9138, 15.9761



83.1208, 88.0686, 68.1543



47.5222, 27.7990, 22.6006



17.4970, 18.5400, 13.6324



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.



64.5828, 65.9138, 15.9761



61.3346, 60.8829, 10.3738



65.3489, 86.6266, 19.9337



19.1186, 20.2053, 19.0367



30.8095, 29.6303, 4.0954



3.0907, 3.0669, 0.4291

Inverse Universe

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



28.1591, 23.1304, 97.5876



23.1561, 16.2319, 96.5203



27.5061, 15.8303, 96.2129



17.4053, 18.1821, 22.8421



10.6620, 6.2336, 50.0758



1.1243, 0.7792, 4.9044

Previews

White Background



This preview shows how the XYZ color 64.5813, 65.9106, 15.9748 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 64.5813, 65.9106, 15.9748 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 64.5813, 65.9106, 15.9748

Background



This preview shows how black text looks on a background with the XYZ color 64.5813, 65.9106, 15.9748.



This preview shows how white text looks on a background with the XYZ color 64.5813, 65.9106,

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

64.5813, 65.9106, 15.9748

Protanopia

60.0589, 66.1288, 16.6199

Deuteranopia

66.3457, 65.8509, 27.6260



Tritanopia

72.7149, 65.7960, 69.1890

Trichromacy



Original Color

64.5813, 65.9106, 15.9748

Protanomaly

61.6593, 65.8481, 16.2976

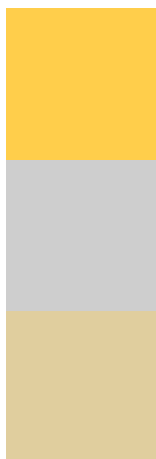
Deuteranomaly

65.6211, 65.9426, 22.6342

Tritanomaly

68.2394, 65.1066, 42.2279

Monochromacy



Original Color

64.5813, 65.9106, 15.9748

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

58.9833, 62.4585, 41.2947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5813, 65.9106, 15.9748 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, 206, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 75)  
}
```

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, 206, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 75) }
```

Border

The CSS property to change the border of an element to XYZ 64.5813, 65.9106, 15.9748 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, 206, 75) }
```


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

```
.border{ border-color:rgb(255, 206, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5813, 65.9106, 15.9748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 75) }
```

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

```
.background{ background-color: rgb(255,  
206, 75) }
```

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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