

Converting Colors

XYZ(80.8111, 74.8058, 18.1975)

Have a look what the booklet for
XYZ(80.8111, 74.8058, 18.1975)
contains.

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Color

**XYZ(65.3189, 66.9809,
17.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD052
RGB	255, 208, 82
RGB Percent	100%, 82%, 32%
CMY	0.0000, 0.1843, 0.6784
CMYK	0.00, 0.18, 0.68, 0.00
HSL	44°, 100%, 66%
HSV	44°, 68%, 100%
XYZ	65.3189, 66.9809, 17.4686
YIQ	207.6890, 68.4580, -29.2220

Conversions

Conversions Part 2

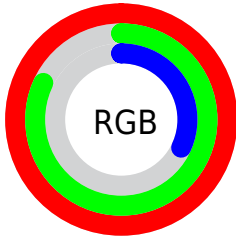
Format	Color
RYB	147, 255, 82
Decimal	16765010
CIELab	85.49, 3.76, 66.32
CIELCh	85, 66.422, 86.755
Yxy	66.9809, 0.4361, 0.4472
Android (android.graphics.Color)	4294955090 (0xFFFFD052)
YUV	207.6890, -61.9647, 41.4917
Hunter-Lab	81.8419, -0.7604, 44.6342

Details

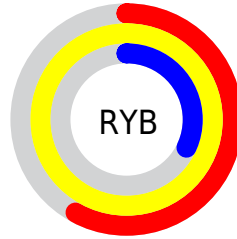
The XYZ color **65.3189, 66.9809, 17.4686** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **29.3798, 24.7137, 97.8290**, and the grayscale version is **60.1118, 63.2423, 68.8709**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **33.9300, 34.6310, 5.5580** is the 20% darker color. If you saturate the color by 10%, you get **62.8713, 63.3609, 12.7225**, and if you desaturate by 10%, it is **68.2038, 70.8991, 24.1395**.

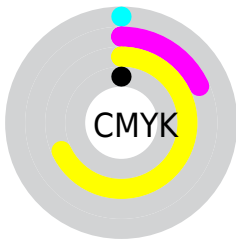
Distribution



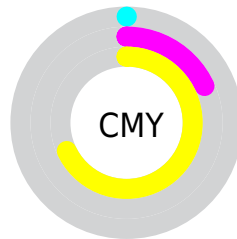
- Red (100%)
- Green (82%)
- Blue (32%)



- Red (58%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (18%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (18%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.3189, 66.9809, 17.4686 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 65.3189, 66.9809, 17.4686 by changing the saturation by 10% instead.


 65.3189, 66.9809,
17.4686


 65.3189, 66.9809,
17.4686


433.4642,
449.8768, 249.9932


 47.9854, 49.0691,
10.4037


 111.5714,
114.8930, 39.9314


 34.0265, 34.6743,
5.5583


 141.2210,
145.6622, 56.1663

 23.0769, 23.4121,
2.5140


 175.7068,
181.4859, 76.2949

 14.7713, 14.8981,
0.8476

 215.3939,
222.7486, 100.7359

 8.7443, 8.7479,
0.0000

 260.6479,
269.8346, 129.9076

 4.6306, 4.5771,
0.0000

311.8341,

 2.0647, 2.0013,

323.1284, 164.2287

0.0000

369.3177,
383.0143, 204.1178

■ 0.6699, 0.6083,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3189, 66.9809,
17.4686

■ 65.3189, 66.9809,
17.4686

■ 62.8713, 63.3609,
12.7225

■ 68.2038, 70.8991,
24.1395

■ 60.8130, 60.0105,
9.6746

■ 71.5579, 75.1219,
32.9202

■ 59.0883, 56.9086,
8.0282

■ 75.4153, 79.6669,
43.9780

■ 58.7421, 56.2644,
7.7641

■ 79.8051, 84.5471,
57.4625

■ 84.7542, 89.7748,
73.5104

■ 90.2872, 95.3612,
92.2480

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



80.9205, 66.9809, 23.1906



65.3189, 66.9809, 17.4686



51.4810, 66.9809, 21.0688

Triad

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



65.3189, 66.9809, 17.4686



41.1218, 66.9809, 117.0694



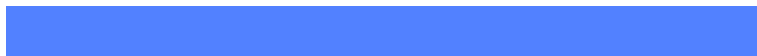
91.1252, 66.9809, 128.5905

Complementary

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



65.3189, 66.9809, 17.4686



29.3798, 24.7137, 97.8290

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.



77.6301, 66.9809, 175.0617



65.3189, 66.9809, 17.4686



49.0526, 66.9809, 166.7687

Square

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



65.3189, 66.9809, 17.4686



38.8788, 66.9809, 68.3302



62.0360, 66.9809, 191.2367



97.2252, 66.9809, 77.7334

Rectangle

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



65.3189, 66.9809, 17.4686



44.7903, 66.9809, 29.5469



62.0360, 66.9809, 191.2367



87.2086, 66.9809, 145.9076

Sweetspot

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



65.3204, 66.9841, 17.4699



83.6377, 88.6168, 69.8233



48.3555, 28.9343, 24.5159



17.5993, 18.6501, 13.9571



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.



65.3204, 66.9841, 17.4699



62.1815, 62.2744, 11.5881



66.0522, 86.9600, 21.2871



19.1194, 20.2070, 19.0370



30.8247, 29.6606, 4.1004



3.0921, 3.0696, 0.4295

Inverse Universe

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



29.3798, 24.7137, 97.8290



24.2969, 17.8727, 96.7769



28.7422, 17.2116, 96.4146



17.4044, 18.1805, 22.8418



10.6573, 6.2243, 50.0743



1.1237, 0.7781, 4.9042

Previews

White Background



This preview shows how the XYZ color 65.3189, 66.9809, 17.4686 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 65.3189, 66.9809, 17.4686 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 65.3189, 66.9809, 17.4686

Background



This preview shows how black text looks on a background with the XYZ color 65.3189, 66.9809, 17.4686.



This preview shows how white text looks on a background with the XYZ color 65.3189, 66.9809,

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

65.3189, 66.9809, 17.4686

Protanopia

60.9067, 66.9104, 18.0924

Deuteranopia

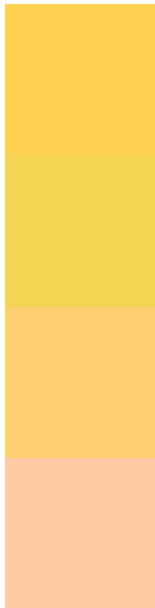
67.3406, 67.0143, 30.5049



Tritanopia

73.4213, 66.8100, 70.6539

Trichromacy



Original Color

65.3189, 66.9809, 17.4686

Protanomaly

62.4130, 66.9446, 17.8157

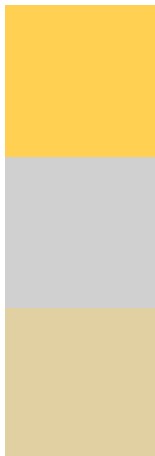
Deuteranomaly

66.5335, 67.0779, 25.0634

Tritanomaly

69.0614, 66.1814, 44.2563

Monochromacy



Original Color

65.3189, 66.9809, 17.4686

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.1288, 63.7279, 43.3140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3189, 66.9809, 17.4686 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, 208, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 82)  
}
```

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, 208, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 82) }
```

Border

The CSS property to change the border of an element to XYZ 65.3189, 66.9809, 17.4686 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, 208, 82) }
```


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

```
.border{ border-color:rgb(255, 208, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3189, 66.9809, 17.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 82) }
```

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

```
.background{ background-color: rgb(255,  
208, 82) }
```

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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