

Converting Colors

XYZ(64.8805, 65.8042, 18.2947)

Have a look what the booklet for
XYZ(64.8805, 65.8042, 18.2947)
contains.

XYZ(64.7916, 65.6108, 18.2661)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.7916, 65.6108,
18.2661)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD57
RGB	255, 205, 87
RGB Percent	100%, 80%, 34%
CMY	0.0000, 0.1961, 0.6588
CMYK	0.00, 0.20, 0.66, 0.00
HSL	42°, 100%, 67%
HSV	42°, 66%, 100%
XYZ	64.7916, 65.6108, 18.2661
YIQ	206.4980, 67.6780, -26.0980

Conversions

Conversions Part 2

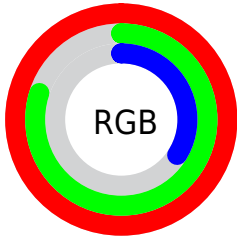
Format	Color
RYB	158, 255, 87
Decimal	16764247
CIELab	84.80, 5.57, 63.48
CIELCh	85, 63.729, 84.983
Yxy	65.6108, 0.4358, 0.4413
Android (android.graphics.Color)	4294954327 (0xFFFFCD57)
YUV	206.4980, -58.9125, 42.5363
Hunter-Lab	81.0005, 1.0298, 43.3301

Details

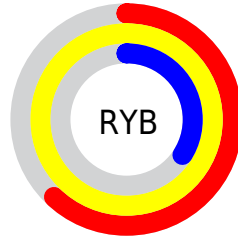
The XYZ color **64.7916, 65.6108, 18.2661** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **30.9257, 27.1365, 98.2149**, and the grayscale version is **59.3230, 62.4125, 67.9672**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **33.5365, 33.6913, 5.8979** is the 20% darker color. If you saturate the color by 10%, you get **62.1571, 61.7251, 13.1245**, and if you desaturate by 10%, it is **67.8850, 69.8261, 25.3765**.

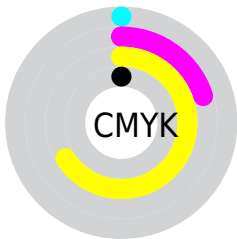
Distribution



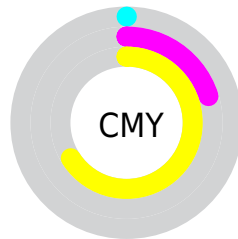
- Red (100%)
- Green (80%)
- Blue (34%)



- Red (62%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (20%)
- Yellow (66%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7916, 65.6108, 18.2661 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 64.7916, 65.6108, 18.2661 by changing the saturation by 10% instead.


 64.7916, 65.6108,
18.2661

 64.7916, 65.6108,
18.2661


431.5998,
444.9837, 254.6530


 47.5562, 47.9565,
10.9698


 110.8176,
112.9275, 41.3103


 33.6853, 33.7925,
5.9326


 140.3388,
143.3588, 57.8952

 22.8137, 22.7342,
2.7360


 174.6861,
178.8179, 78.4135

 14.5760, 14.3974,
0.9615

 214.2247,
219.6891, 103.2835

 8.6067, 8.3976,
0.0000

259.3200,
266.3569, 132.9240

 4.5406, 4.3504,
0.0000

310.3374,

 2.0123, 1.8714,

319.2057, 167.7533

0.0000

367.6422,
378.6198, 208.1902

■ 0.6408, 0.5311,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7916, 65.6108,
18.2661

■ 64.7916, 65.6108,
18.2661

■ 62.1571, 61.7251,
13.1245

■ 67.8850, 69.8261,
25.3765

■ 59.9349, 58.1407,
9.7327


■ 71.4688, 74.3777,
34.6356


■ 58.0748, 54.8380,
7.8257

■ 75.5764, 79.2836,
46.2072

■ 57.3831, 53.5467,
7.3111

■ 80.2369, 84.5572,
60.2382

 85.4768, 90.2109,
76.8631

 91.3209, 96.2565,
96.2067

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



79.4699, 65.6108, 24.4696



64.7916, 65.6108, 18.2661



51.4742, 65.6108, 21.2571

Triad

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



64.7916, 65.6108, 18.2661



40.6478, 65.6108, 110.0385



87.6433, 65.6108, 126.6900

Complementary

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



64.7916, 65.6108, 18.2661



30.9257, 27.1365, 98.2149

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.



74.6841, 65.6108, 168.9777



64.7916, 65.6108, 18.2661



47.9029, 65.6108, 157.0689

Square

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



64.7916, 65.6108, 18.2661



38.8245, 65.6108, 64.7848



59.9922, 65.6108, 181.8098



93.8865, 65.6108, 78.5340

Rectangle

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



64.7916, 65.6108, 18.2661



44.9045, 65.6108, 29.0225



59.9922, 65.6108, 181.8098



83.8405, 65.6108, 142.6915

Sweetspot

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



64.7931, 65.6140, 18.2674



83.2472, 87.8359, 69.6932



49.1925, 29.8945, 26.9960



17.5050, 18.4616, 13.9257



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.



64.7931, 65.6140, 18.2674



61.4222, 60.5758, 11.8899



67.4209, 87.6427, 22.3809



19.0780, 20.1243, 19.0232



30.1206, 28.2525, 3.8658



3.0281, 2.9416, 0.4082

Inverse Universe

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



30.9257, 27.1365, 98.2149



25.5081, 19.9135, 97.1070



29.2879, 18.0732, 96.5519



17.4435, 18.2587, 22.8549



10.8903, 6.6902, 50.1519



1.1507, 0.8321, 4.9132

Previews

White Background



This preview shows how the XYZ color 64.7916, 65.6108, 18.2661 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 64.7916, 65.6108, 18.2661 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 64.7916, 65.6108, 18.2661

Background



This preview shows how black text looks on a background with the XYZ color 64.7916, 65.6108, 18.2661.



This preview shows how white text looks on a background with the XYZ color 64.7916, 65.6108,

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

64.7916, 65.6108, 18.2661

Protanopia

59.9387, 65.6411, 18.9621

Deuteranopia

66.1088, 65.3770, 27.5471



Tritanopia

72.3651, 65.2939, 68.4634

Trichromacy



Original Color

64.7916, 65.6108, 18.2661

Protanomaly

61.5241, 65.3602, 18.6056

Deuteranomaly

65.5932, 65.5499, 23.6633

Tritanomaly

68.3643, 64.7872, 44.0239

Monochromacy



Original Color

64.7916, 65.6108, 18.2661

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

59.4226, 62.6343, 43.6080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7916, 65.6108, 18.2661 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, 205, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 87)  
}
```

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, 205, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 87) }
```

Border

The CSS property to change the border of an element to XYZ 64.7916, 65.6108, 18.2661 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, 205, 87) }
```


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

```
.border{ border-color:rgb(255, 205, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7916, 65.6108, 18.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 87) }
```

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

```
.background{ background-color: rgb(255,  
205, 87) }
```

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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