

Converting Colors

XYZ(65.5390, 66.8365, 19.3445)

Have a look what the booklet for
XYZ(65.5390, 66.8365, 19.3445)
contains.

XYZ(65.4412, 66.6410, 19.3114)	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(65.4412, 66.6410,
19.3114)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>FFCF5B</code>
RGB	<code>255, 207, 91</code>
RGB Percent	<code>100%, 81%, 36%</code>
CMY	<code>0.0000, 0.1882, 0.6431</code>
CMYK	<code>0.00, 0.19, 0.64, 0.00</code>
HSL	<code>42°, 100%, 68%</code>
HSV	<code>42°, 64%, 100%</code>
XYZ	<code>65.4412, 66.6410, 19.3114</code>
YIQ	<code>208.1280, 65.8440, -25.9000</code>

Conversions

Conversions Part 2

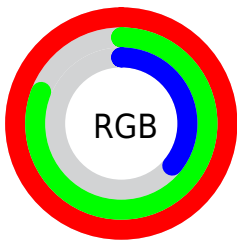
Format	Color
R_{YB}	159, 255, 91
Decimal	16764763
CIE _{Lab}	85.32, 4.78, 62.32
CIE _{LCh}	85, 62.507, 85.618
Yxy	66.6410, 0.4323, 0.4402
Android (android.graphics.Color)	4294954843 (0xFFFFCF5B)
YUV	208.1280, -57.7441, 41.1067
Hunter-Lab	81.6339, 0.2337, 43.1181

Details

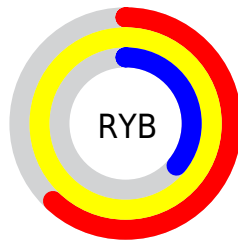
The XYZ color **65.4412, 66.6410, 19.3114** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **31.5967, 27.9084, 98.3288**, and the grayscale version is **60.3718, 63.5158, 69.1688**.

A 20% lighter version of the original color is **82.1108, 94.8243, 40.7633**, and **34.2003, 34.5059, 6.4479** is the 20% darker color. If you saturate the color by 10%, you get **62.7575, 62.7452, 13.8812**, and if you desaturate by 10%, it is **68.5871, 70.8636, 26.7400**.

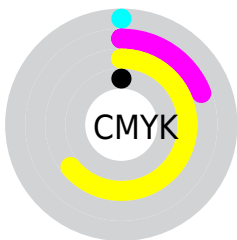
Distribution



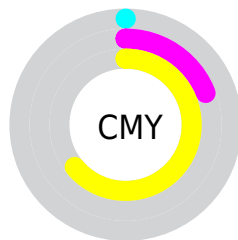
- Red (100%)
- Green (81%)
- Blue (36%)



- Red (62%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (19%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4412, 66.6410, 19.3114 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 65.4412, 66.6410, 19.3114 by changing the saturation by 10% instead.


 65.4412, 66.6410,
19.3114


 65.4412, 66.6410,
19.3114


433.8960,
448.6658, 260.6423

 48.0849, 48.7929,
11.7164


 111.7461,
114.4059, 43.1033


 34.1057, 34.4553,
6.4307


 141.4255,
145.0914, 60.1373

 23.1381, 23.2436,
3.0357


 175.9433,
180.8250, 81.1548

 14.8168, 14.7734,
1.1129

 215.6648,
221.9908, 106.5742

 8.7764, 8.6605,
0.0000

260.9555,
268.9735, 136.8141

 4.6515, 4.5204,
0.0000

312.1807,

 2.0769, 1.9687,

322.1573, 172.2931

0.0000

369.7057,
381.9266, 213.4296

■ 0.6766, 0.5892,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4412, 66.6410,
19.3114

■ 65.4412, 66.6410,
19.3114

■ 62.7575, 62.7452,
13.8812

■ 68.5871, 70.8636,
26.7400

■ 60.4905, 59.1484,
10.2364

■ 72.2257, 75.4193,
36.3432

■ 58.5920, 55.8319,
8.1221

■ 76.3900, 80.3256,
48.2818

■ 57.6369, 54.0541,
7.3957

■ 81.1085, 85.5956,
62.7007

■ 86.4074, 91.2418,
79.7327

■ 92.3112, 97.2754,
99.5011

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.



79.9732, 66.6410, 25.3935



65.4412, 66.6410, 19.3114



52.2941, 66.6410, 22.5511

Triad

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



65.4412, 66.6410, 19.3114



41.8459, 66.6410, 111.7155



88.5408, 66.6410, 126.0316

Complementary

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



65.4412, 66.6410, 19.3114



31.5967, 27.9084, 98.3288

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.



75.8417, 66.6410, 167.8893



65.4412, 66.6410, 19.3114



49.1899, 66.6410, 157.6916

Square

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



65.4412, 66.6410, 19.3114



39.9089, 66.6410, 66.7704



61.2848, 66.6410, 181.2233



94.5111, 66.6410, 78.6765

Rectangle

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



65.4412, 66.6410, 19.3114



45.8236, 66.6410, 30.5788



61.2848, 66.6410, 181.2233



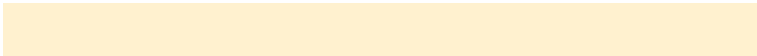
84.8333, 66.6410, 141.8111

Sweetspot

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



65.4428, 66.6442, 19.3127



83.8500, 88.5479, 71.4155



49.7297, 30.6421, 28.1827



17.6270, 18.6098, 14.2617



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.



65.4428, 66.6442, 19.3127



62.1092, 61.7499, 12.7357



67.8339, 87.8363, 23.2772



19.0859, 20.1400, 19.0258



30.2521, 28.5154, 3.9096



3.0401, 2.9656, 0.4122

Inverse Universe

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



31.5967, 27.9084, 98.3288



26.0911, 20.6555, 97.2195



30.0750, 18.9731, 96.6844



17.4361, 18.2438, 22.8524



10.8442, 6.5979, 50.1366



1.1454, 0.8215, 4.9115

Previews

White Background



This preview shows how the XYZ color 65.4412, 66.6410, 19.3114 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 65.4412, 66.6410, 19.3114 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 65.4412, 66.6410, 19.3114

Background



This preview shows how black text looks on a background with the XYZ color 65.4412, 66.6410, 19.3114.



This preview shows how white text looks on a background with the XYZ color 65.4412, 66.6410,

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

65.4412, 66.6410, 19.3114

Protanopia

60.9474, 66.8880, 20.0543

Deuteranopia

67.0338, 66.5076, 30.0731



Tritanopia

73.2963, 66.7600, 69.9956

Trichromacy



Original Color

65.4412, 66.6410, 19.3114

Protanomaly

62.5343, 66.5943, 19.6833

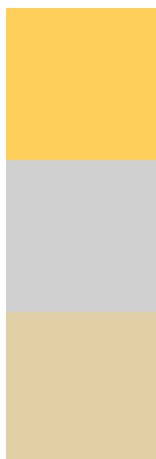
Deuteranomaly

66.4058, 66.6404, 25.5826

Tritanomaly

69.3356, 66.2911, 45.7003

Monochromacy



Original Color

65.4412, 66.6410, 19.3114

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.3987, 63.8359, 44.7355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4412, 66.6410, 19.3114 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, 207, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 91)  
}
```

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, 207, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 91) }
```

Border

The CSS property to change the border of an element to XYZ 65.4412, 66.6410, 19.3114 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, 207, 91) }
```


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

```
.border{ border-color:rgb(255, 207, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 207, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4412, 66.6410, 19.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 91) }
```

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

```
.background{ background-color: rgb(255,  
207, 91) }
```

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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