

Converting Colors

XYZ(76.9785, 71.9460, 20.1713)

Have a look what the booklet for
XYZ(76.9785, 71.9460, 20.1713)
contains.

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Color

**XYZ(65.0471, 65.7130,
19.6114)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD5D
RGB	255, 205, 93
RGB Percent	100%, 80%, 36%
CMY	0.0000, 0.1961, 0.6353
CMYK	0.00, 0.20, 0.64, 0.00
HSL	41°, 100%, 68%
HSV	41°, 64%, 100%
XYZ	65.0471, 65.7130, 19.6114
YIQ	207.1820, 65.7520, -24.2320

Conversions

Conversions Part 2

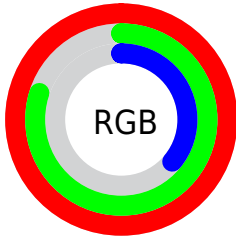
Format	Color
RYB	165, 255, 93
Decimal	16764253
CIELab	84.85, 5.92, 60.93
CIElCh	85, 61.218, 84.446
Yxy	65.7130, 0.4326, 0.4370
Android (android.graphics.Color)	4294954333 (0xFFFFCD5D)
YUV	207.1820, -56.2917, 41.9364
Hunter-Lab	81.0636, 1.3709, 42.4007

Details

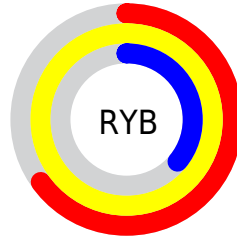
The XYZ color **65.0471, 65.7130, 19.6114** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **32.3862, 29.1908, 98.5346**, and the grayscale version is **59.7490, 62.8606, 68.4552**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **33.9221, 33.8753, 6.5844** is the 20% darker color. If you saturate the color by 10%, you get **62.2655, 61.6662, 14.0107**, and if you desaturate by 10%, it is **68.3029, 70.1061, 27.2286**.

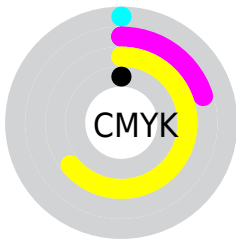
Distribution



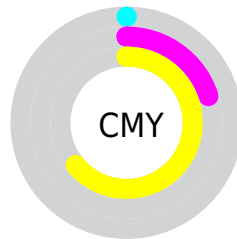
- Red (100%)
- Green (80%)
- Blue (36%)



- Red (65%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (20%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0471, 65.7130, 19.6114 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 65.0471, 65.7130, 19.6114 by changing the saturation by 10% instead.

65.0471, 65.7130,
19.6114

65.0471, 65.7130,
19.6114

432.5037,
445.3498, 262.3378

47.7641, 48.0395,
11.9316

111.1829,
113.0743, 43.6151

33.8506, 33.8581,
6.5752

140.7664,
143.5309, 60.7760

22.9412, 22.7846,
3.1235

175.1808,
179.0172, 81.9345

14.6705, 14.4346,
1.1580

214.7915,
219.9178, 107.5090

8.6733, 8.4235,
0.0000

259.9638,
266.6169, 137.9180

4.5841, 4.3671,
0.0000

311.0630,

2.0376, 1.8810,

319.4990, 173.5801

0.0000

368.4545,
378.9485, 214.9139

■ 0.6549, 0.5369,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.0471, 65.7130,
19.6114

■ 65.0471, 65.7130,
19.6114

■ 62.2655, 61.6662,
14.0107

■ 68.3029, 70.1061,
27.2286

■ 59.9131, 57.9378,
10.2161

■ 72.0633, 74.8522,
37.0365

■ 57.9422, 54.5090,
7.9776

■ 76.3614, 79.9691,
49.1950

■ 56.8251, 52.4307,
7.1251

■ 81.2254, 85.4703,
63.8478

■ 86.6819, 91.3682,
81.1269

■ 92.7551, 97.6747,
101.1553

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.



79.0927, 65.7130, 25.9963



65.0471, 65.7130, 19.6114



52.1621, 65.7130, 22.4471

Triad

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



65.0471, 65.7130, 19.6114



41.3842, 65.7130, 107.6031



86.4802, 65.7130, 125.1035

Complementary

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



65.0471, 65.7130, 19.6114



32.3862, 29.1908, 98.5346

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.



74.0273, 65.7130, 164.7543



65.0471, 65.7130, 19.6114



48.3367, 65.7130, 152.3265

Square

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



65.0471, 65.7130, 19.6114



39.7036, 65.7130, 64.4825



59.9390, 65.7130, 176.2050



92.5756, 65.7130, 79.1165

Rectangle

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



65.0471, 65.7130, 19.6114



45.7428, 65.7130, 30.0227



59.9390, 65.7130, 176.2050



82.8180, 65.7130, 140.1995

Sweetspot

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



65.0486, 65.7162, 19.6127



83.6218, 88.0916, 71.3395



50.2115, 31.1120, 29.8655



17.5715, 18.4988, 14.2432



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.



65.0486, 65.7162, 19.6127



61.6461, 60.7158, 12.9134



68.8806, 88.3657, 23.7825



19.0605, 20.0892, 19.0173



29.8313, 27.6737, 3.7693



3.0017, 2.8887, 0.3994

Inverse Universe

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



32.3862, 29.1908, 98.5346



26.8250, 21.8949, 97.4201



30.0904, 19.2382, 96.7346



17.4602, 18.2920, 22.8604



10.9965, 6.9026, 50.1873



1.1627, 0.8562, 4.9172

Previews

White Background



This preview shows how the XYZ color 65.0471, 65.7130, 19.6114 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 65.0471, 65.7130, 19.6114 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 65.0471, 65.7130, 19.6114

Background



This preview shows how black text looks on a background with the XYZ color 65.0471, 65.7130, 19.6114.



This preview shows how white text looks on a background with the XYZ color 65.0471, 65.7130,

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

65.0471, 65.7130, 19.6114

Protanopia

59.8700, 65.5754, 20.3283

Deuteranopia

66.4710, 65.9010, 28.2855



Tritanopia

72.5914, 65.7466, 68.5389

Trichromacy



Original Color

65.0471, 65.7130, 19.6114

Protanomaly

61.4388, 65.2863, 19.9530

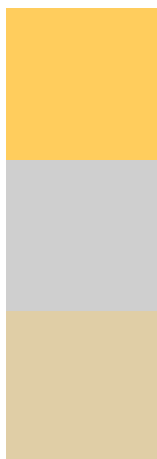
Deuteranomaly

65.8135, 65.6380, 24.8234

Tritanomaly

68.7772, 65.3217, 45.0598

Monochromacy



Original Color

65.0471, 65.7130, 19.6114

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

59.6947, 62.7431, 45.0408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0471, 65.7130, 19.6114 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 93) }
```

Border

The CSS property to change the border of an element to XYZ 65.0471, 65.7130, 19.6114 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, 93) }
```


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

```
.border{ border-color:rgb(255, 205, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 93);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0471, 65.7130, 19.6114 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, 93) }
```

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

```
.background{ background-color: rgb(255,  
205, 93) }
```

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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