

Converting Colors

XYZ(95.8603, 80.5247, 25.2601)

Have a look what the booklet for
XYZ(95.8603, 80.5247, 25.2601)
contains.

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Color

**XYZ(65.1750, 64.6268,
23.7910)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFCA6E |
| RGB | 255, 202, 110 |
| RGB Percent | 100%, 79%, 43% |
| CMY | 0.0000, 0.2078, 0.5686 |
| CMYK | 0.00, 0.21, 0.57, 0.00 |
| HSL | 38°, 100%, 72% |
| HSV | 38°, 57%, 100% |
| XYZ | 65.1750, 64.6268, 23.7910 |
| YIQ | 207.3590, 61.1200, -17.3760 |

Conversions

Conversions Part 2

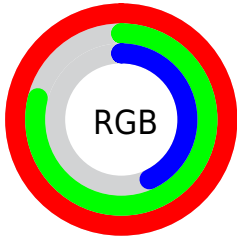
| Format | Color |
|-------------------------------------|--|
| RYB | 194, 255, 110 |
| Decimal | 16763502 |
| CIELab | 84.29, 8.62, 52.45 |
| CIELCh | 84, 53.158, 80.666 |
| Yxy | 64.6268, 0.4243, 0.4208 |
| Android (android.graphics.Color) | 4294953582 (0xFFFFCA6E) |
| YUV | 207.3590, -47.9980, 41.7812 |
| Hunter-Lab | 80.3908, 4.0309, 38.7272 |

Details

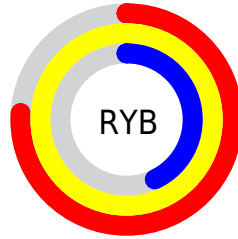
The XYZ color **65.1750, 64.6268, 23.7910** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.5771, 36.7280, 99.7160**, and the grayscale version is **59.8136, 62.9286, 68.5292**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **33.8593, 33.0874, 8.6049** is the 20% darker color. If you saturate the color by 10%, you get **61.8607, 59.9096, 16.7944**, and if you desaturate by 10%, it is **69.0239, 69.7742, 32.9375**.

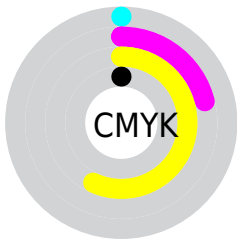
Distribution



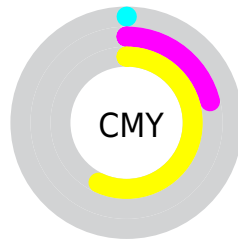
- Red (100%)
- Green (79%)
- Blue (43%)



- Red (76%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.1750, 64.6268, 23.7910 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 65.1750, 64.6268, 23.7910 by changing the saturation by 10% instead.

65.1750, 64.6268,
23.7910

65.1750, 64.6268,
23.7910

432.9559,
441.4496, 285.0146

47.8682, 47.1585,
14.9679

111.3657,
111.5131, 50.6285

33.9334, 33.1610,
8.6505

140.9804,
141.7000, 69.4799

23.0051, 22.2498,
4.4202

175.4284,
176.8952, 92.5112

14.7180, 14.0406,
1.8586

215.0751,
217.4831, 120.1409

8.7067, 8.1489,
0.4662

260.2858,
263.8481, 152.7876

4.6059, 4.1904,
0.0000

311.4259,

2.0503, 1.7806,

316.3746, 190.8697

0.0000

368.8608,
375.4470, 234.8059

■ 0.6620, 0.4750,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1750, 64.6268,
23.7910

■ 65.1750, 64.6268,
23.7910

■ 61.8607, 59.9096,
16.7944

■ 69.0239, 69.7742,
32.9375

■ 59.0387, 55.5944,
11.7572

■ 73.4361, 75.3593,
44.3947

■ 56.6667, 51.6631,
8.4614

■ 78.4435, 81.4009,
58.3125

■ 54.6898, 48.0897,
6.6296

■ 84.0739, 87.9136,
74.8269

■ 54.1255, 47.0313,
6.2252

■ 90.3531, 94.9111,
94.0638

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.



76.9376, 64.6268, 31.1612



65.1750, 64.6268, 23.7910



53.7706, 64.6268, 25.4371

Triad

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



65.1750, 64.6268, 23.7910



42.5694, 64.6268, 95.8458



80.6727, 64.6268, 120.0387

Complementary

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



65.1750, 64.6268, 23.7910



37.5771, 36.7280, 99.7160

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.



69.7751, 64.6268, 150.2304



65.1750, 64.6268, 23.7910



48.1531, 64.6268, 133.4451

Square

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



65.1750, 64.6268, 23.7910



41.6689, 64.6268, 60.3577



57.8233, 64.6268, 155.7966



86.6092, 64.6268, 81.4272

Rectangle

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



65.1750, 64.6268, 23.7910



47.8109, 64.6268, 31.7278



57.8233, 64.6268, 155.7966



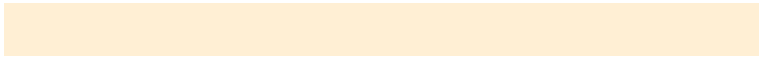
77.4073, 64.6268, 131.9654

Sweetspot

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



65.1765, 64.6299, 23.7923



83.9919, 87.8206, 74.5803



53.4420, 35.0627, 38.6805



17.7250, 18.5092, 15.2088



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.



65.1765, 64.6299, 23.7923



61.5155, 59.3985, 16.1259



73.0560, 90.4214, 28.3552



18.9703, 19.9089, 18.9873



28.4291, 24.8694, 3.3019



2.8722, 2.6298, 0.3562

Inverse Universe

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



37.5771, 36.7280, 99.7160



31.6164, 29.2387, 98.5850



32.7305, 23.0659, 97.3344



17.5465, 18.4647, 22.8892



11.6153, 8.1401, 50.3936



1.2307, 0.9921, 4.9399

Previews

White Background



This preview shows how the XYZ color 65.1750, 64.6268, 23.7910 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 65.1750, 64.6268, 23.7910 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 65.1750, 64.6268, 23.7910

Background



This preview shows how black text looks on a background with the XYZ color 65.1750, 64.6268, 23.7910.



This preview shows how white text looks on a background with the XYZ color 65.1750, 64.6268,

23.7910.

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

65.1750, 64.6268, 23.7910

Protanopia

59.5536, 64.9366, 25.0180

Deuteranopia

65.6395, 64.4384, 27.3906



Tritanopia

72.0176, 64.7952, 67.7425

Trichromacy



Original Color

65.1750, 64.6268, 23.7910

Protanomaly

61.4157, 64.8069, 24.6013

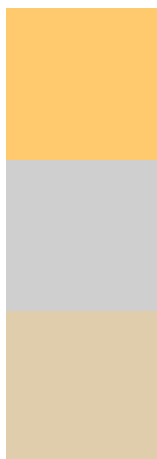
Deuteranomaly

65.3967, 64.3413, 26.1119

Tritanomaly

68.8805, 64.6267, 47.8735

Monochromacy



Original Color

65.1750, 64.6268, 23.7910

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

60.0182, 62.4885, 47.9279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1750, 64.6268, 23.7910 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, 202, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 110)  
}
```

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, 202, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 110) }
```

Border

The CSS property to change the border of an element to XYZ 65.1750, 64.6268, 23.7910 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, 202, 110) }
```


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

```
.border{ border-color:rgb(255, 202, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1750, 64.6268, 23.7910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 110) }
```

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

```
.background{ background-color: rgb(255,  
202, 110) }
```

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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