

Converting Colors

XYZ(65.1978, 64.9495, 22.9442)

Have a look what the booklet for
XYZ(65.1978, 64.9495, 22.9442)
contains.

XYZ(65.2498, 65.0334, 23.0236)	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(65.2498, 65.0334,
23.0236)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCB6B
RGB	255, 203, 107
RGB Percent	100%, 80%, 42%
CMY	0.0000, 0.2039, 0.5804
CMYK	0.00, 0.20, 0.58, 0.00
HSL	39°, 100%, 71%
HSV	39°, 58%, 100%
XYZ	65.2498, 65.0334, 23.0236
YIQ	207.6040, 61.8080, -18.8320

Conversions

Conversions Part 2

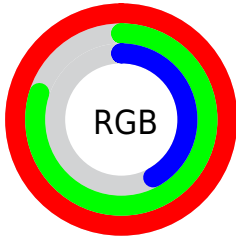
Format	Color
RYB	187, 255, 107
Decimal	16763755
CIELab	84.50, 7.89, 54.13
CIElCh	85, 54.697, 81.711
Yxy	65.0334, 0.4256, 0.4242
Android (android.graphics.Color)	4294953835 (0xFFFFCB6B)
YUV	207.6040, -49.5978, 41.5663
Hunter-Lab	80.6433, 3.3015, 39.5231

Details

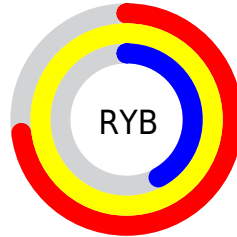
The XYZ color **65.2498, 65.0334, 23.0236** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.5111, 35.1407, 99.4659**, and the grayscale version is **59.9821, 63.1058, 68.7222**.

A 20% lighter version of the original color is **83.4330, 95.3532, 47.7258**, and **33.9427, 33.3728, 8.2671** is the 20% darker color. If you saturate the color by 10%, you get **62.0465, 60.4666, 16.2848**, and if you desaturate by 10%, it is **68.9739, 70.0092, 31.8884**.

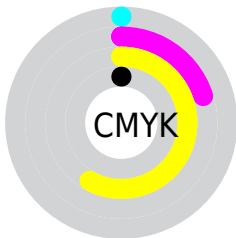
Distribution



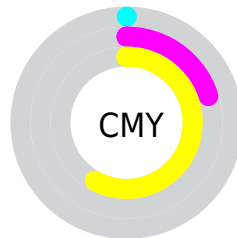
- Red (100%)
- Green (80%)
- Blue (42%)



- Red (73%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (20%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.2498, 65.0334, 23.0236 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 65.2498, 65.0334, 23.0236 by changing the saturation by 10% instead.


 65.2498, 65.0334,
23.0236


 65.2498, 65.0334,
23.0236


433.2201,
442.9120, 280.9720


 47.9291, 47.4882,
14.4055


 111.4726,
112.0979, 49.3558


 33.9818, 33.4217,
8.2613


 141.1055,
142.3859, 67.9069

 23.0424, 22.4497,
4.1724


 175.5731,
177.6903, 90.6061

 14.7457, 14.1877,
1.7204

 215.2408,
218.3955, 117.8719

 8.7263, 8.2513,
0.3747

260.4741,
264.8859, 150.1228

 4.6187, 4.2562,
0.0000

311.6381,

 2.0578, 1.8179,

317.5458, 187.7775

0.0000

369.0984,
376.7597, 231.2544

■ 0.6661, 0.4983,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.2498, 65.0334,
23.0236

■ 65.2498, 65.0334,
23.0236

■ 62.0465, 60.4666,
16.2848

■ 68.9739, 70.0092,
31.8884

■ 59.3215, 56.2810,
11.4785

■ 73.2479, 75.4011,
43.0423

■ 57.0318, 52.4585,
8.3818

■ 78.1035, 81.2277,
56.6366

■ 55.1177, 48.9718,
6.6911

■ 83.5686, 87.5030,
72.8085

■ 54.7700, 48.3203,
6.4401

■ 89.6690, 94.2405,
91.6852

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.



77.4852, 65.0334, 30.1416



65.2498, 65.0334, 23.0236



53.5492, 65.0334, 24.9953

Triad

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



65.2498, 65.0334, 23.0236



42.5111, 65.0334, 98.6249



82.0713, 65.0334, 121.0175

Complementary

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



65.2498, 65.0334, 23.0236



36.5111, 35.1407, 99.4659

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.



70.8845, 65.0334, 153.1665



65.2498, 65.0334, 23.0236



48.4096, 65.0334, 137.5592

Square

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



65.2498, 65.0334, 23.0236



41.4172, 65.0334, 61.5759



58.4977, 65.0334, 160.0512



87.9973, 65.0334, 80.9247

Rectangle

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



65.2498, 65.0334, 23.0236



47.5055, 65.0334, 31.6213



58.4977, 65.0334, 160.0512



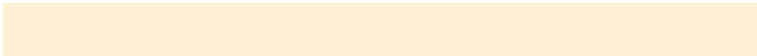
78.7368, 65.0334, 133.5915

Sweetspot

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



65.2513, 65.0365, 23.0249



84.1722, 88.1811, 74.6404



52.9545, 34.3586, 37.6832



17.7677, 18.5946, 15.2230



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.



65.2513, 65.0365, 23.0249



61.4756, 59.6160, 15.1959



72.7629, 90.2889, 27.5032



18.9927, 19.9536, 18.9947



28.7642, 25.5396, 3.4136



2.9034, 2.6921, 0.3666

Inverse Universe

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



36.5111, 35.1407, 99.4659



30.3333, 27.3029, 98.2790



32.0210, 22.2277, 97.2100



17.5250, 18.4216, 22.8820



11.4499, 7.8093, 50.3385



1.2129, 0.9564, 4.9340

Previews

White Background



This preview shows how the XYZ color 65.2498, 65.0334, 23.0236 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 65.2498, 65.0334, 23.0236 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 65.2498, 65.0334, 23.0236

Background



This preview shows how black text looks on a background with the XYZ color 65.2498, 65.0334, 23.0236.



This preview shows how white text looks on a background with the XYZ color 65.2498, 65.0334,

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

65.2498, 65.0334, 23.0236

Protanopia

59.7130, 65.0380, 24.1582

Deuteranopia

65.9357, 64.9311, 27.7967



Tritanopia

72.0176, 64.7952, 67.7425

Trichromacy



Original Color

65.2498, 65.0334, 23.0236

Protanomaly

61.5918, 64.9166, 23.7519

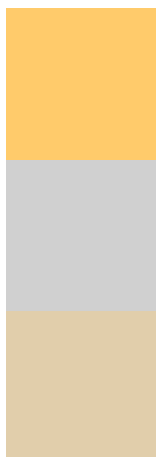
Deuteranomaly

65.5714, 64.7854, 25.8785

Tritanomaly

68.7848, 64.5884, 47.3695

Monochromacy



Original Color

65.2498, 65.0334, 23.0236

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.4733, 63.0904, 47.5185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2498, 65.0334, 23.0236 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, 203, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 107)  
}
```

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, 203, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 107) }
```

Border

The CSS property to change the border of an element to XYZ 65.2498, 65.0334, 23.0236 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, 203, 107) }
```


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

```
.border{ border-color:rgb(255, 203, 107) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2498, 65.0334, 23.0236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 107) }
```

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

```
.background{ background-color: rgb(255,  
203, 107) }
```

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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