

Converting Colors

XYZ(96.8333, 83.5449, 25.6278)

Have a look what the booklet for
XYZ(96.8333, 83.5449, 25.6278)
contains.

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Color

**XYZ(66.8008, 67.9651,
24.0658)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD16D
RGB	255, 209, 109
RGB Percent	100%, 82%, 43%
CMY	0.0000, 0.1804, 0.5725
CMYK	0.00, 0.18, 0.57, 0.00
HSL	41°, 100%, 71%
HSV	41°, 57%, 100%
XYZ	66.8008, 67.9651, 24.0658
YIQ	211.3540, 59.5160, -21.3480

Conversions

Conversions Part 2

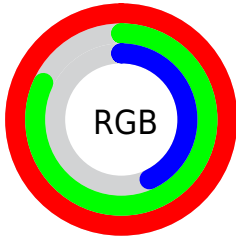
Format	Color
RYB	176, 255, 109
Decimal	16765293
CIELab	85.99, 4.94, 54.92
CIELCh	86, 55.141, 84.861
Yxy	67.9651, 0.4206, 0.4279
Android (android.graphics.Color)	4294955373 (0xFFFFD16D)
YUV	211.3540, -50.4605, 38.2775
Hunter-Lab	82.4409, 0.3645, 40.4010

Details

The XYZ color **66.8008, 67.9651, 24.0658** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.0775, 33.9126, 99.2516**, and the grayscale version is **62.4485, 65.7007, 71.5480**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **34.9655, 35.3402, 8.8494** is the 20% darker color. If you saturate the color by 10%, you get **63.7011, 63.6533, 17.2147**, and if you desaturate by 10%, it is **70.4012, 72.6415, 33.0492**.

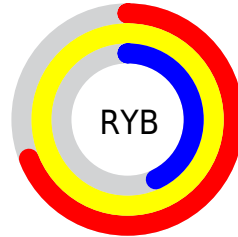
Distribution



Red (100%)

Green (82%)

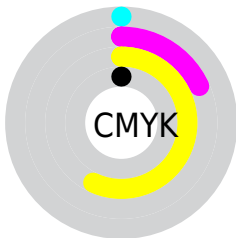
Blue (43%)



Red (69%)

Yellow (100%)

Blue (43%)

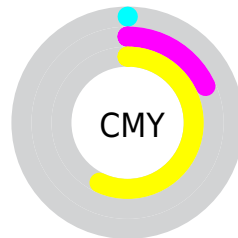


Cyan (0%)

Magenta (18%)

Yellow (57%)

Black (0%)



Cyan (0%)


Magenta (18%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.8008, 67.9651, 24.0658 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 66.8008, 67.9651, 24.0658 by changing the saturation by 10% instead.


 66.8008, 67.9651,
24.0658

 66.8008, 67.9651,
24.0658


438.6790,
453.3724, 286.4502


 49.1929, 49.8693,
15.1698


 113.6863,
116.3022, 51.0827


 34.9877, 35.3096,
8.7907


 143.6946,
147.3124, 70.0407

 23.8198, 23.9015,
4.5100


 178.5670,
183.3961, 93.1898

 15.3240, 15.2605,
1.9091

 218.6690,
224.9378, 120.9485

 9.1349, 9.0024,
0.4985

264.3658,
272.3219, 153.7353

 4.8871, 4.7428,
0.0000

316.0228,

 2.2152, 2.0971,

325.9328, 191.9689

0.0000

374.0055,
386.1548, 236.0677

■ 0.7508, 0.6630,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.8008, 67.9651,
24.0658

■ 66.8008, 67.9651,
24.0658

■ 63.7011, 63.6533,
17.2147

■ 70.4012, 72.6415,
33.0492

■ 61.0604, 59.6791,
12.3044

■ 74.5302, 77.6880,
44.3261

■ 58.8370, 56.0261,
9.1157

■ 79.2189, 83.1219,
58.0465

■ 56.9755, 52.6699,
7.3645

■ 84.4946, 88.9563,
74.3467

■ 56.5053, 51.7908,
7.0185

■ 90.3823, 95.2033,
93.3527

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.



79.6243, 67.9651, 30.4231



66.8008, 67.9651, 24.0658



54.9086, 67.9651, 27.1039

Triad

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



66.8008, 67.9651, 24.0658



44.9578, 67.9651, 107.2990



86.5859, 67.9651, 121.7391

Complementary

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



66.8008, 67.9651, 24.0658



36.0775, 33.9126, 99.2516

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.



75.3669, 67.9651, 156.8457



66.8008, 67.9651, 24.0658



51.5934, 67.9651, 146.7796

Square

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



66.8008, 67.9651, 24.0658



43.2867, 67.9651, 67.9399



62.4457, 67.9651, 167.2507



91.9602, 67.9651, 80.4153

Rectangle

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



66.8008, 67.9651, 24.0658



48.9243, 67.9651, 34.8116



62.4457, 67.9651, 167.2507



83.3076, 67.9651, 135.1303

Sweetspot

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



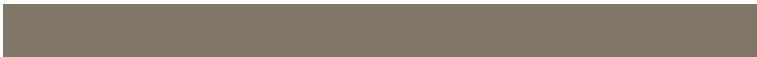
66.8024, 67.9684, 24.0672



84.6367, 89.1101, 74.7953



52.6449, 34.5723, 35.0124



17.8779, 18.8149, 15.2597



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.



66.8024, 67.9684, 24.0672



63.2082, 62.9355, 16.2230



70.5893, 89.1560, 27.9572



19.0503, 20.0687, 19.0139



29.6653, 27.3418, 3.7140



2.9865, 2.8583, 0.3943

Inverse Universe

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



36.0775, 33.9126, 99.2516



29.8700, 26.0672, 98.0649



33.6347, 23.3728, 97.3459



17.4699, 18.3114, 22.8636



11.0604, 7.0304, 50.2086



1.1699, 0.8706, 4.9196

Previews

White Background



This preview shows how the XYZ color 66.8008, 67.9651, 24.0658 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 66.8008, 67.9651, 24.0658 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 66.8008, 67.9651, 24.0658

Background



This preview shows how black text looks on a background with the XYZ color 66.8008, 67.9651, 24.0658.

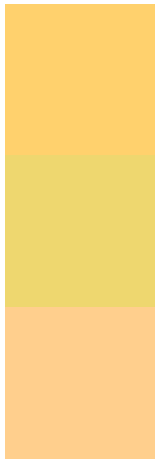


This preview shows how white text looks on a background with the XYZ color 66.8008, 67.9651,

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

66.8008, 67.9651, 24.0658

Protanopia

62.4296, 67.9257, 24.8595

Deuteranopia

68.3605, 67.8087, 34.6847



Tritanopia

74.1369, 67.8374, 72.1373

Trichromacy



Original Color

66.8008, 67.9651, 24.0658

Protanomaly

63.9169, 67.9474, 24.4982

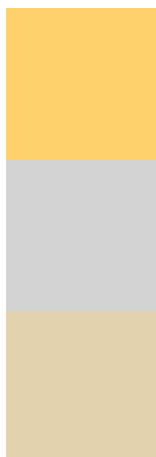
Deuteranomaly

67.7583, 67.9567, 30.3146

Tritanomaly

70.5707, 67.5409, 49.8747

Monochromacy



Original Color

66.8008, 67.9651, 24.0658

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.3651, 65.4801, 49.3963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8008, 67.9651, 24.0658 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, 209, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 109)  
}
```

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, 209, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 109) }
```

Border

The CSS property to change the border of an element to XYZ 66.8008, 67.9651, 24.0658 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, 209, 109) }
```


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

```
.border{ border-color:rgb(255, 209, 109) }
```

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

Here you see how a box with a 4 pixel rgb(255, 209, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8008, 67.9651, 24.0658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 109) }
```

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

```
.background{ background-color: rgb(255,  
209, 109) }
```

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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