

Converting Colors

XYZ(66.3294, 67.6015, 22.1228)

Have a look what the booklet for
XYZ(66.3294, 67.6015, 22.1228)
contains.

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Color

**XYZ(66.4387, 67.8202,
22.1593)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD166
RGB	255, 209, 102
RGB Percent	100%, 82%, 40%
CMY	0.0000, 0.1804, 0.6000
CMYK	0.00, 0.18, 0.60, 0.00
HSL	42°, 100%, 70%
HSV	42°, 60%, 100%
XYZ	66.4387, 67.8202, 22.1593
YIQ	210.5560, 61.7630, -23.5250

Conversions

Conversions Part 2

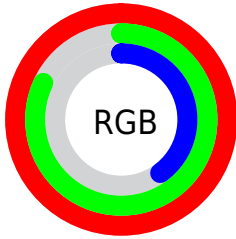
Format	Color
RYB	168, 255, 102
Decimal	16765286
CIELab	85.92, 4.45, 58.08
CIElCh	86, 58.246, 85.621
Yxy	67.8202, 0.4248, 0.4336
Android (android.graphics.Color)	4294955366 (0xFFFFD166)
YUV	210.5560, -53.5181, 38.9774
Hunter-Lab	82.3530, -0.1120, 41.6935

Details

The XYZ color **66.4387, 67.8202, 22.1593** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.1190, 31.2234, 98.8356**, and the grayscale version is **61.9386, 65.1643, 70.9639**.

A 20% lighter version of the original color is **83.0008, 95.1803, 45.4495**, and **34.7814, 35.2665, 7.8797** is the 20% darker color. If you saturate the color by 10%, you get **63.5281, 63.7212, 15.8807**, and if you desaturate by 10%, it is **69.8319, 72.2623, 30.5185**.

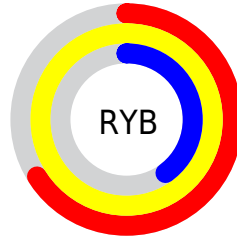
Distribution



Red (100%)

Green (82%)

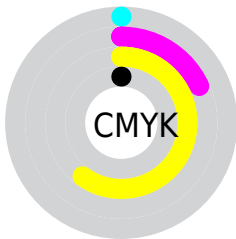
Blue (40%)



Red (66%)

Yellow (100%)

Blue (40%)

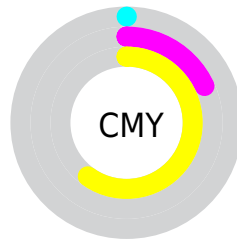


Cyan (0%)

Magenta (18%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4387, 67.8202, 22.1593 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 66.4387, 67.8202, 22.1593 by changing the saturation by 10% instead.


 66.4387, 67.8202,
22.1593

 66.4387, 67.8202,
22.1593


437.4081,
452.8587, 276.3576

 48.8976, 49.7515,
13.7746


 113.1700,
116.0949, 47.9147


 34.7525, 35.2160,
7.8271


 143.0909,
147.0696, 66.1225

 23.6379, 23.8293,
3.8983


 177.8692,
183.1152, 88.4416

 15.1885, 15.2070,
1.5697

 217.8702,
224.6159, 115.2907

 9.0390, 8.9648,
0.2691

263.4592,
271.9563, 147.0884

 4.8239, 4.7182,
0.0000

315.0016,

 2.1780, 2.0829,

325.5206, 184.2530

0.0000

372.8628,
385.6933, 227.2033

■ 0.7311, 0.6550,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.4387, 67.8202,
22.1593

■ 66.4387, 67.8202,
22.1593

■ 63.5281, 63.7212,
15.8807

■ 69.8319, 72.2623,
30.5185

■ 61.0570, 59.9382,
11.4835

■ 73.7363, 77.0530,
41.1247

■ 58.9817, 56.4542,
8.7365

■ 78.1839, 82.2097,
54.1321

■ 57.2288, 53.2378,
7.2597

■ 83.2020, 87.7452,
69.6799

■ 57.2285, 53.2374,
7.2596

■ 88.8162, 93.6716,
87.8967

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.



80.0505, 67.8202, 28.3070



66.4387, 67.8202, 22.1593



53.9971, 67.8202, 25.4502

Triad

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



66.4387, 67.8202, 22.1593



43.9954, 67.8202, 110.3672



88.0231, 67.8202, 123.5550

Complementary

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



66.4387, 67.8202, 22.1593



34.1190, 31.2234, 98.8356

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.



76.1964, 67.8202, 161.8187



66.4387, 67.8202, 22.1593



51.0396, 67.8202, 152.5426

Square

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



66.4387, 67.8202, 22.1593



42.1262, 67.8202, 68.3785



62.5231, 67.8202, 173.9287



93.5557, 67.8202, 79.5946

Rectangle

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



66.4387, 67.8202, 22.1593



47.8167, 67.8202, 33.4722



62.5231, 67.8202, 173.9287



84.5788, 67.8202, 138.0308

Sweetspot

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



66.4403, 67.8235, 22.1606



84.2761, 88.8986, 73.1038



51.5329, 32.9798, 32.6950



17.7057, 18.6698, 14.5879



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.



66.4403, 67.8235, 22.1606



62.9999, 62.9395, 14.8569



69.8210, 88.8017, 26.0317



19.0732, 20.1146, 19.0216



30.0404, 28.0921, 3.8390



3.0208, 2.9270, 0.4057

Inverse Universe

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



34.1190, 31.2234, 98.8356



28.2148, 23.6485, 97.6853



32.0155, 21.4733, 97.0645



17.4481, 18.2679, 22.8564



10.9191, 6.7478, 50.1615



1.1540, 0.8386, 4.9143

Previews

White Background



This preview shows how the XYZ color 66.4387, 67.8202, 22.1593 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 66.4387, 67.8202, 22.1593 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 66.4387, 67.8202, 22.1593

Background



This preview shows how black text looks on a background with the XYZ color 66.4387, 67.8202, 22.1593.



This preview shows how white text looks on a background with the XYZ color 66.4387, 67.8202,

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

66.4387, 67.8202, 22.1593

Protanopia

62.0590, 67.7775, 22.9082

Deuteranopia

68.1403, 67.7206, 33.5248



Tritanopia

74.1369, 67.8374, 72.1373

Trichromacy



Original Color

66.4387, 67.8202, 22.1593

Protanomaly

63.5507, 67.8009, 22.5694

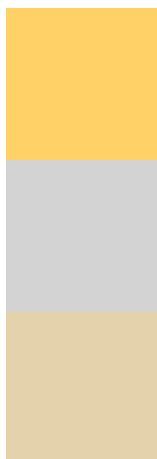
Deuteranomaly

67.4975, 67.8524, 28.9414

Tritanomaly

70.3757, 67.4629, 48.8476

Monochromacy



Original Color

66.4387, 67.8202, 22.1593

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

62.0758, 65.3644, 47.8729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4387, 67.8202, 22.1593 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 102) }
```

Border

The CSS property to change the border of an element to XYZ 66.4387, 67.8202, 22.1593 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, 102) }
```


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

```
.border{ border-color:rgb(255, 209, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4387, 67.8202, 22.1593 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
209, 102) }
```

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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