

Converting Colors

XYZ(67.0042, 63.5885, 38.8801)

Have a look what the booklet for
XYZ(67.0042, 63.5885, 38.8801)
contains.

XYZ(66.9560, 63.4924, 38.8633)	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(66.9560, 63.4924,
38.8633)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC599
RGB	255, 197, 153
RGB Percent	100%, 77%, 60%
CMY	0.0000, 0.2274, 0.4000
CMYK	0.00, 0.23, 0.40, 0.00
HSL	26°, 100%, 80%
HSV	26°, 40%, 100%
XYZ	66.9560, 63.4924, 38.8633
YIQ	209.3260, 48.6920, -1.3880

Conversions

Conversions Part 2

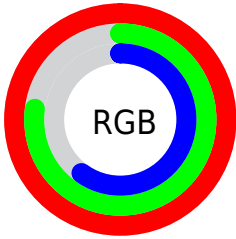
Format	Color
R_{YB}	255, 230, 153
Decimal	16762265
CIE Lab	83.70, 15.15, 30.03
CIE LCh	84, 33.632, 63.233
Yxy	63.4924, 0.3955, 0.3750
Android (android.graphics.Color)	4294952345 (0xFFFFC599)
YUV	209.3260, -27.7687, 40.0561
Hunter-Lab	79.6821, 10.5479, 26.8600

Details

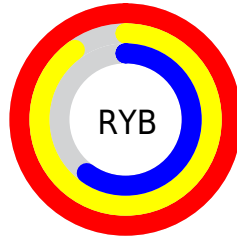
The XYZ color **66.9560, 63.4924, 38.8633** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.4802, 60.5786, 103.4290**, and the grayscale version is **60.9721, 64.1474, 69.8565**.

A 20% lighter version of the original color is **88.0670, 96.6977, 73.6974**, and **34.9857, 32.3400, 16.9687** is the 20% darker color. If you saturate the color by 10%, you get **61.9357, 56.4697, 27.8860**, and if you desaturate by 10%, it is **72.7463, 71.3344, 52.3189**.

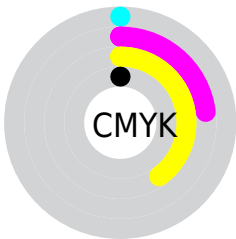
Distribution



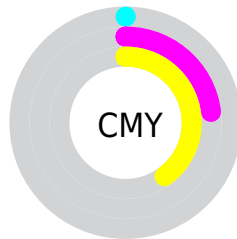
- Red (100%)
- Green (77%)
- Blue (60%)



- Red (100%)
- Yellow (90%)
- Blue (60%)



- Cyan (0%)
- Magenta (23%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.9560, 63.4924, 38.8633 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 66.9560, 63.4924, 38.8633 by changing the saturation by 10% instead.


 66.9560, 63.4924,
38.8633

 66.9560, 63.4924,
38.8633


439.2231,
437.3543, 356.7175

 49.3194, 46.2397,
26.3464


 113.9075,
109.8796, 74.6475

 35.0885, 32.4350,
16.8549


 143.9532,
139.7828, 98.7518

 23.8979, 21.6940,
9.9702

178.8659,
174.6717, 127.5557

 15.3822, 13.6322,
5.2739

219.0110,
214.9306, 161.4777

 9.1761, 7.8653,
2.3473

264.7540,
260.9439, 200.9364

 4.9143, 4.0089,
0.7575

316.4601,

 2.2313, 1.6785,

313.0960, 246.3502

0.0000

374.4946,
371.7714, 298.1377

■ 0.7592, 0.4097,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.9560, 63.4924,
38.8633

■ 66.9560, 63.4924,
38.8633

■ 61.9357, 56.4697,
27.8860

■ 72.7463, 71.3344,
52.3189

■ 57.6427, 50.2280,
19.2277

■ 79.3366, 80.0144,
68.3907

■ 54.0370, 44.7388,
12.7167

■ 86.7612, 89.5615,
87.2109

■ 51.0719, 39.9678,
8.1550

95.0499, 100.0000,
108.9000

■ 48.6931, 35.8767,
5.3068

■ 46.8175, 32.4151,
3.7892

■ 46.8174, 32.4148,
3.7891

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9914, 63.4924, 49.1933



66.9560, 63.4924, 38.8633



59.5520, 63.4924, 36.0181

Triad

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



66.9560, 63.4924, 38.8633



47.2783, 63.4924, 71.4465



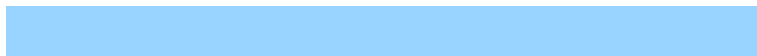
68.4504, 63.4924, 108.9305

Complementary

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



66.9560, 63.4924, 38.8633



54.4802, 60.5786, 103.4290

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.



61.1503, 63.4924, 118.0741



66.9560, 63.4924, 38.8633



49.2554, 63.4924, 93.8406

Square

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



66.9560, 63.4924, 38.8633



48.5607, 63.4924, 52.4211



54.1890, 63.4924, 112.0591



73.9024, 63.4924, 89.0642

Rectangle

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



66.9560, 63.4924, 38.8633



54.9293, 63.4924, 38.1476



54.1890, 63.4924, 112.0591



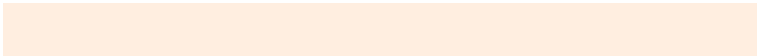
66.1111, 63.4924, 113.5244

Sweetspot

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



66.9576, 63.4954, 38.8646



85.2076, 87.5809, 83.2197



64.5784, 48.8218, 68.6389



18.0248, 18.4732, 17.2678



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.



66.9576, 63.4954, 38.8646



62.8802, 57.8108, 29.8901



80.0979, 89.7761, 43.2447



18.6539, 19.2759, 18.8818



24.6047, 17.2207, 2.0271



2.5017, 1.8888, 0.2327

Inverse Universe

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



54.4802, 60.5786, 103.4290



48.8257, 54.5059, 102.5550



44.0199, 39.6579, 99.9422



17.8603, 19.0922, 22.9938



14.8724, 14.6544, 51.4793



1.5567, 1.6441, 5.0486

Previews

White Background



This preview shows how the XYZ color 66.9560, 63.4924, 38.8633 looks on a white background.

Color Contrast Check

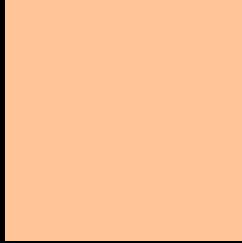
Large Text (above 18pt) WCAG AA × Fail

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 66.9560, 63.4924, 38.8633 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 66.9560, 63.4924, 38.8633

Background



This preview shows how black text looks on a background with the XYZ color 66.9560, 63.4924, 38.8633.



This preview shows how white text looks on a background with the XYZ color 66.9560, 63.4924,

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

66.9560, 63.4924, 38.8633

Protanopia

59.7125, 63.9168, 41.5378

Deuteranopia

64.6795, 63.3497, 38.5245



Tritanopia

71.1091, 63.3671, 66.2408

Trichromacy



Original Color

66.9560, 63.4924, 38.8633

Protanomaly

62.0930, 63.7251, 40.4800

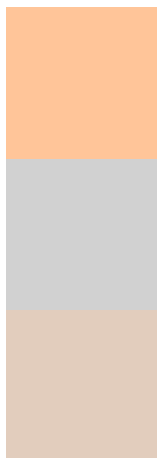
Deuteranomaly

65.5153, 63.4378, 38.4975

Tritanomaly

69.3947, 63.3887, 55.0321

Monochromacy



Original Color

66.9560, 63.4924, 38.8633

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

62.3807, 63.5055, 57.1141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.9560, 63.4924, 38.8633 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, 197, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 153)  
}
```

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, 197, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 153) }
```

Border

The CSS property to change the border of an element to XYZ 66.9560, 63.4924, 38.8633 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, 197, 153) }
```


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

```
.border{ border-color:rgb(255, 197, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 66.9560, 63.4924, 38.8633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 153) }
```

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

```
.background{ background-color: rgb(255,  
197, 153) }
```

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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