

Converting Colors

XYZ(67.9682, 64.4540, 38.9074)

Have a look what the booklet for
XYZ(67.9682, 64.4540, 38.9074)
contains.

XYZ(67.1839, 63.9481, 38.9392) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(67.1839, 63.9481,
38.9392)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|--|
| Hex | FFC699 |
| RGB | 255, 198, 153 |
| RGB Percent | 100%, 78%, 60% |
| CMY | 0.0000, 0.2235, 0.4000 |
| CMYK | 0.00, 0.22, 0.40, 0.00 |
| HSL | 26°, 100%, 80% |
| HSV | 26°, 40%, 100% |
| XYZ | 67.1839, 63.9481, 38.9392 |
| YIQ | 209.9130, 48.4170, -1.9110 |

Conversions

Conversions Part 2

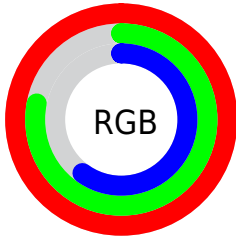
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 234, 153 |
| Decimal | 16762521 |
| CIE _{Lab} | 83.94, 14.62, 30.35 |
| CIE _{LCh} | 84, 33.686, 64.269 |
| Yxy | 63.9481, 0.3950, 0.3760 |
| Android (android.graphics.Color) | 4294952601 (0xFFFFC699) |
| YUV | 209.9130, -28.0581, 39.5413 |
| Hunter-Lab | 79.9676, 10.0217, 27.1068 |

Details

The XYZ color **67.1839, 63.9481, 38.9392** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.2326, 60.0833, 103.3466**, and the grayscale version is **61.3589, 64.5544, 70.2997**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **35.0872, 32.6219, 16.7593** is the 20% darker color. If you saturate the color by 10%, you get **62.1938, 56.9859, 27.9720**, and if you desaturate by 10%, it is **72.9337, 71.7092, 52.3813**.

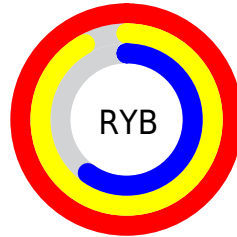
Distribution



Red (100%)

Green (78%)

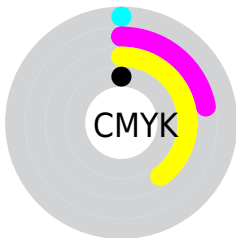
Blue (60%)



Red (100%)

Yellow (92%)

Blue (60%)

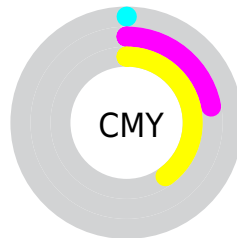


Cyan (0%)

Magenta (22%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (22%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1839, 63.9481, 38.9392 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 67.1839, 63.9481, 38.9392 by changing the saturation by 10% instead.


 67.1839, 63.9481,
38.9392

 67.1839, 63.9481,
38.9392


440.0213,
439.0022, 357.0502

 49.5053, 46.6086,
26.4050


 114.2322,
110.5362, 74.7647

 35.2367, 32.7264,
16.8984


 144.3327,
140.5536, 98.8931

 24.0126, 21.9169,
10.0009

179.3045,
175.5658, 127.7233

 15.4678, 13.7959,
5.2939

219.5130,
215.9572, 161.6739

 9.2368, 7.9788,
2.3590

265.3236,
262.1121, 201.1633

 4.9543, 4.0814,
0.7640

317.1016,

 2.2550, 1.7192,

314.4150, 246.6101

0.0000

375.2124,
373.2502, 298.4329

■ 0.7715, 0.4360,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1839, 63.9481,
38.9392

■ 67.1839, 63.9481,
38.9392

■ 62.1938, 56.9859,
27.9720

■ 72.9337, 71.7092,
52.3813

■ 57.9213, 50.7852,
19.3206

■ 79.4728, 80.2868,
68.4361

■ 54.3268, 45.3184,
12.8133

■ 86.8351, 89.7093,
87.2355

■ 51.3642, 40.5524,
8.2524

95.0500, 100.0000,
108.9000

■ 48.9798, 36.4501,
5.4024

■ 47.0912, 32.9623,
3.8804

■ 47.0910, 32.9621,
3.8803

Harmonies

Analogous

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



73.3426, 63.9481, 49.0724



67.1839, 63.9481, 38.9392



59.7255, 63.9481, 36.3281

Triad

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



67.1839, 63.9481, 38.9392



47.6412, 63.9481, 72.7129



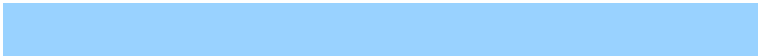
69.1685, 63.9481, 109.1228

Complementary

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



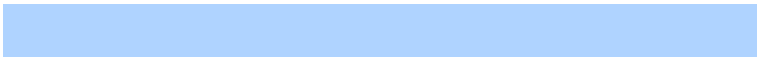
67.1839, 63.9481, 38.9392



54.2326, 60.0833, 103.3466

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.



61.8484, 63.9481, 118.8081



67.1839, 63.9481, 38.9392



49.7420, 63.9481, 95.2474

Square

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



67.1839, 63.9481, 38.9392



48.8191, 63.9481, 53.3614



54.7979, 63.9481, 113.2759



74.5522, 63.9481, 88.9054

Rectangle

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



67.1839, 63.9481, 38.9392



55.1063, 63.9481, 38.6410



54.7979, 63.9481, 113.2759



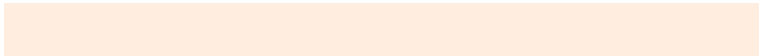
66.8320, 63.9481, 113.8861

Sweetspot

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



67.1855, 63.9511, 38.9405



85.2948, 87.7554, 83.2487



64.3644, 48.7362, 67.5118



18.0453, 18.5142, 17.2746



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.



67.1855, 63.9511, 38.9405



63.1330, 58.3164, 29.9744



80.6189, 90.8179, 43.4183



18.6689, 19.3061, 18.8868



24.7491, 17.5095, 2.0752



2.5164, 1.9182, 0.2376

Inverse Universe

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



54.2326, 60.0833, 103.3466



48.5449, 53.9442, 102.4614



43.7236, 39.0653, 99.8436



17.8449, 19.0615, 22.9887



14.6751, 14.2598, 51.4135



1.5378, 1.6063, 5.0423

Previews

White Background



This preview shows how the XYZ color 67.1839, 63.9481, 38.9392 looks on a white background.

Color Contrast Check

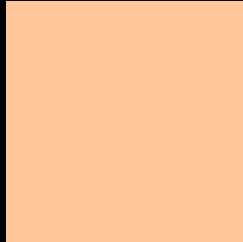
Large Text (above 18pt) WCAG AA × Fail

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 67.1839, 63.9481, 38.9392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

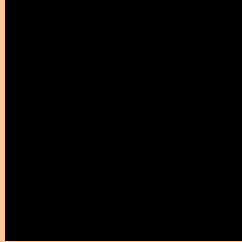
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1839, 63.9481, 38.9392

Background



This preview shows how black text looks on a background with the XYZ color 67.1839, 63.9481, 38.9392.



This preview shows how white text looks on a background with the XYZ color 67.1839, 63.9481,

38.9392.

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

67.1839, 63.9481, 38.9392

Protanopia

59.7125, 63.9168, 41.5378

Deuteranopia

65.2655, 63.9967, 38.6185



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

67.1839, 63.9481, 38.9392

Protanomaly

62.0930, 63.7251, 40.4800

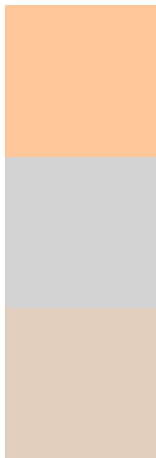
Deuteranomaly

66.1054, 64.0848, 38.5912

Tritanomaly

69.7247, 63.8781, 55.6685

Monochromacy



Original Color

67.1839, 63.9481, 38.9392

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

62.6206, 63.9855, 57.1941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1839, 63.9481, 38.9392 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, 198, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 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, 198, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 153) }
```

Border

The CSS property to change the border of an element to XYZ 67.1839, 63.9481, 38.9392 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, 198, 153) }
```


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

```
.border{ border-color:rgb(255, 198, 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, 198, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1839, 63.9481, 38.9392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 153) }
```

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

```
.background{ background-color: rgb(255,  
198, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor