

Converting Colors

XYZ(68.4692, 66.5932, 39.1385)

Have a look what the booklet for
XYZ(68.4692, 66.5932, 39.1385)
contains.

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Color

**XYZ(68.5004, 66.7127,
38.9722)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCC98
RGB	255, 204, 152
RGB Percent	100%, 80%, 60%
CMY	0.0000, 0.2000, 0.4039
CMYK	0.00, 0.20, 0.40, 0.00
HSL	30°, 100%, 80%
HSV	30°, 40%, 100%
XYZ	68.5004, 66.7127, 38.9722
YIQ	213.3210, 47.0880, -5.3600

Conversions

Conversions Part 2

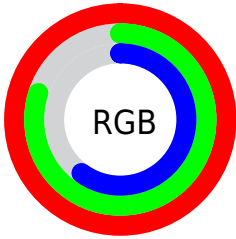
Format	Color
RYB	253, 255, 152
Decimal	16764056
CIELab	85.36, 11.39, 32.75
CIELCh	85, 34.680, 70.818
Yxy	66.7127, 0.3933, 0.3830
Android (android.graphics.Color)	4294954136 (0xFFFFCC98)
YUV	213.3210, -30.2313, 36.5525
Hunter-Lab	81.6778, 6.7656, 28.8845

Details

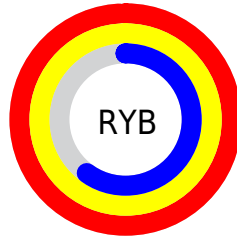
The XYZ color **68.5004, 66.7127, 38.9722** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.3541, 56.6053, 102.7743**, and the grayscale version is **63.6362, 66.9502, 72.9088**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **35.9715, 34.4686, 16.8138** is the 20% darker color. If you saturate the color by 10%, you get **63.7525, 60.2076, 28.1700**, and if you desaturate by 10%, it is **73.9438, 73.8902, 52.2227**.

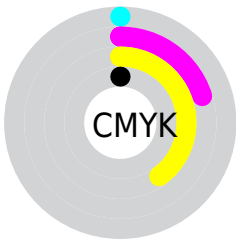
Distribution



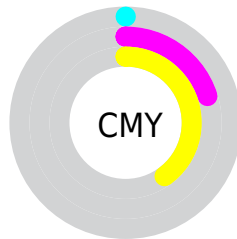
- Red (100%)
- Green (80%)
- Blue (60%)



- Red (99%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (20%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5004, 66.7127, 38.9722 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 68.5004, 66.7127, 38.9722 by changing the saturation by 10% instead.


 68.5004, 66.7127,
38.9722


 68.5004, 66.7127,
38.9722


444.6159,
448.9214, 357.1947

 50.5801, 48.8512,
26.4304


 116.1057,
114.5086, 74.8157

 36.0942, 34.5014,
16.9173


 146.5214,
145.2119, 98.9546

 24.6774, 23.2791,
10.0142


181.8330,
180.9644, 127.7962

 15.9643, 14.7997,
5.3026

222.4057,
222.1508, 161.7591

 9.5896, 8.6789,
2.3641

268.6050,
269.1552, 201.2619

 5.1879, 4.5324,
0.7668

320.7963,

 2.3938, 1.9756,

322.3622, 246.7230

0.0000

379.3448,
382.1562, 298.5611

■ 0.8420, 0.5932,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5004, 66.7127,
38.9722

■ 68.5004, 66.7127,
38.9722

■ 63.7525, 60.2076,
28.1700

■ 73.9438, 73.8902,
52.2227

■ 59.6604, 54.3424,
19.6571

■ 80.1099, 81.7523,
68.0586

■ 56.1874, 49.0953,
13.2620

■ 87.0301, 90.3228,
86.6116

■ 53.2902, 44.4391,
8.7867

94.7322, 99.6210,
108.0033

■ 50.9176, 40.3431, 95.0500, 100.0000,
5.9951 108.9000

■ 49.0576, 36.8951,
4.5359

Harmonies

Analogous

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



75.5361, 66.7127, 47.8800



68.5004, 66.7127, 38.9722



60.6165, 66.7127, 37.9041

Triad

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



68.5004, 66.7127, 38.9722



49.7033, 66.7127, 81.0610



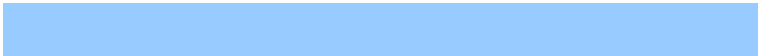
73.7994, 66.7127, 110.5272

Complementary

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



68.5004, 66.7127, 38.9722



52.3541, 56.6053, 102.7743

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.



66.2848, 66.7127, 123.9323



68.5004, 66.7127, 38.9722



52.6537, 66.7127, 104.7309

Square

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



68.5004, 66.7127, 38.9722



50.1895, 66.7127, 59.3359



58.5752, 66.7127, 121.6158



78.7657, 66.7127, 87.7947

Rectangle

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



68.5004, 66.7127, 38.9722



55.9830, 66.7127, 41.4700



58.5752, 66.7127, 121.6158



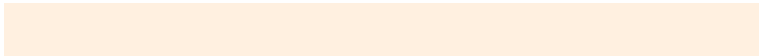
71.4630, 66.7127, 116.4663

Sweetspot

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



68.5020, 66.7158, 38.9735



85.8649, 88.8955, 83.4388



63.3078, 48.0528, 62.7518



18.1792, 18.7822, 17.3193



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.



68.5020, 66.7158, 38.9735



64.8271, 61.7046, 30.5391



82.6676, 95.0471, 43.6954



18.7674, 19.5030, 18.9196



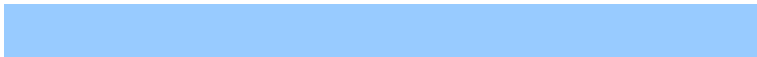
25.7833, 19.5778, 2.4200



2.6197, 2.1248, 0.2721

Inverse Universe

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



52.3541, 56.6053, 102.7743



46.7739, 50.4021, 101.8711



42.2278, 36.3526, 99.3989



17.7458, 18.8632, 22.9556



13.4955, 11.9006, 51.0203



1.4231, 1.3769, 5.0040

Previews

White Background



This preview shows how the XYZ color 68.5004, 66.7127, 38.9722 looks on a white background.

Color Contrast Check

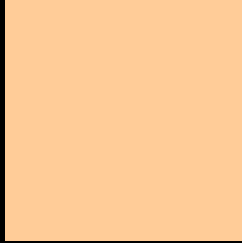
Large Text (above 18pt) WCAG AA × Fail

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 68.5004, 66.7127, 38.9722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

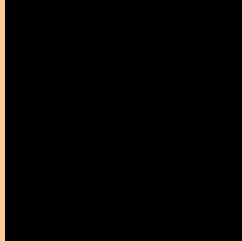
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5004, 66.7127, 38.9722

Background



This preview shows how black text looks on a background with the XYZ color 68.5004, 66.7127, 38.9722.



This preview shows how white text looks on a background with the XYZ color 68.5004, 66.7127,

38.9722.

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

68.5004, 66.7127, 38.9722

Protanopia

62.1081, 66.6468, 41.0432

Deuteranopia

68.1334, 66.5236, 38.9551



Tritanopia

73.5471, 66.8603, 71.3163

Trichromacy



Original Color

68.5004, 66.7127, 38.9722

Protanomaly

64.2229, 66.6369, 40.4876

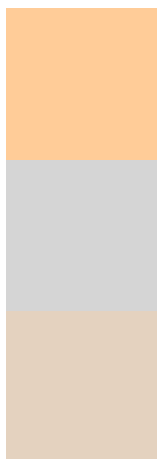
Deuteranomaly

68.1334, 66.5236, 38.9551

Tritanomaly

71.4209, 66.7510, 57.8351

Monochromacy



Original Color

68.5004, 66.7127, 38.9722

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

64.4455, 66.3488, 58.7002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5004, 66.7127, 38.9722 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, 204, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 152)  
}
```

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, 204, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 152) }
```

Border

The CSS property to change the border of an element to XYZ 68.5004, 66.7127, 38.9722 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, 204, 152) }
```


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

```
.border{ border-color:rgb(255, 204, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5004, 66.7127, 38.9722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 152) }
```

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

```
.background{ background-color: rgb(255,  
204, 152) }
```

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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