

Converting Colors

XYZ(68.1149, 65.8101, 39.2496)

Have a look what the booklet for
XYZ(68.1149, 65.8101, 39.2496)
contains.

XYZ(68.1103, 65.8010, 39.2480)	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(68.1103, 65.8010,
39.2480)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA99
RGB	255, 202, 153
RGB Percent	100%, 79%, 60%
CMY	0.0000, 0.2078, 0.4000
CMYK	0.00, 0.21, 0.40, 0.00
HSL	29°, 100%, 80%
HSV	29°, 40%, 100%
XYZ	68.1103, 65.8010, 39.2480
YIQ	212.2610, 47.3170, -4.0030

Conversions

Conversions Part 2

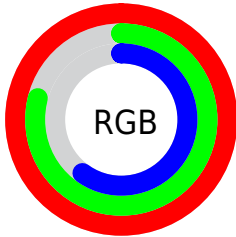
Format	Color
R _Y B	255, 247, 153
Decimal	16763545
CIE Lab	84.89, 12.54, 31.62
CIE LCh	85, 34.017, 68.365
Yxy	65.8010, 0.3933, 0.3800
Android (android.graphics.Color)	4294953625 (0xFFFFCA99)
YUV	212.2610, -29.2157, 37.4821
Hunter-Lab	81.1178, 7.9207, 28.0956

Details

The XYZ color **68.1103, 65.8010, 39.2480** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.2573, 58.1327, 103.0214**, and the grayscale version is **62.9207, 66.1974, 72.0890**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **35.7038, 33.8552, 16.9648** is the 20% darker color. If you saturate the color by 10%, you get **63.2491, 59.0966, 28.3237**, and if you desaturate by 10%, it is **73.6918, 73.2255, 52.6340**.

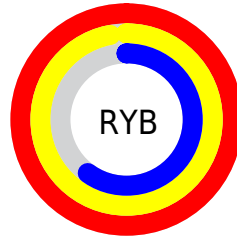
Distribution



Red (100%)

Green (79%)

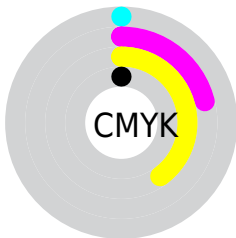
Blue (60%)



Red (100%)

Yellow (97%)

Blue (60%)

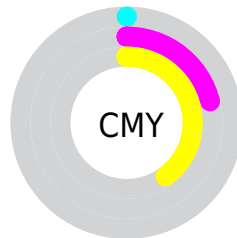


Cyan (0%)

Magenta (21%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1103, 65.8010, 39.2480 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 68.1103, 65.8010, 39.2480 by changing the saturation by 10% instead.


 68.1103, 65.8010,
39.2480

 68.1103, 65.8010,
39.2480


443.2573,
445.6649, 358.4011

 50.2615, 48.1109,
26.6434


 115.5510,
113.2007, 75.2415

 35.8399, 33.9147,
17.0755


 145.8735,
143.6790, 99.4676

 24.4801, 22.8281,
10.1258


181.0847,
179.1889, 128.4044

 15.8168, 14.4666,
5.3758

221.5498,
220.1146, 162.4708

 9.4846, 8.4459,
2.4068

267.6343,
266.8407, 202.0851

 5.1182, 4.3816,
0.7902

319.7035,

 2.3523, 1.8892,

319.7515, 247.6659

0.0000

378.1227,
379.2314, 299.6317

■ 0.8212, 0.5419,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1103, 65.8010,
39.2480

■ 68.1103, 65.8010,
39.2480

■ 63.2491, 59.0966,
28.3237

■ 73.6918, 73.2255,
52.6340

■ 59.0677, 53.0780,
19.7027

■ 80.0214, 81.3841,
68.6189

■ 55.5283, 47.7215,
13.2138

■ 87.1314, 90.3021,
87.3343

■ 52.5870, 42.9978,
8.6600

95.0500, 100.0000,
108.9000

■ 50.1918, 38.8742,
5.8064

■ 48.2629, 35.3059,
4.2710

■ 48.2628, 35.3057,
4.2710

Harmonies

Analogous

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



74.7689, 65.8010, 48.5972



68.1103, 65.8010, 39.2480



60.4311, 65.8010, 37.5889

Triad

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



68.1103, 65.8010, 39.2480



49.1168, 65.8010, 77.9362



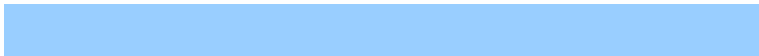
72.1001, 65.8010, 109.9121

Complementary

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



68.1103, 65.8010, 39.2480



53.2573, 58.1327, 103.0214

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.



64.7013, 65.8010, 121.7933



68.1103, 65.8010, 39.2480



51.7262, 65.8010, 101.0274

Square

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



68.1103, 65.8010, 39.2480



49.8678, 65.8010, 57.2401



57.2855, 65.8010, 118.2476



77.1997, 65.8010, 88.2865

Rectangle

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



68.1103, 65.8010, 39.2480



55.8255, 65.8010, 40.6607



57.2855, 65.8010, 118.2476



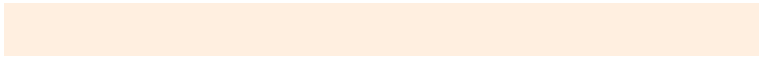
69.7765, 65.8010, 115.3593

Sweetspot

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



68.1120, 65.8041, 39.2493



85.6452, 88.4561, 83.3655



63.9430, 48.5676, 65.2930



18.1276, 18.6789, 17.3021



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.



68.1120, 65.8041, 39.2493



64.1657, 60.3818, 30.3186



81.6748, 92.9297, 43.7703



18.7295, 19.4271, 18.9070



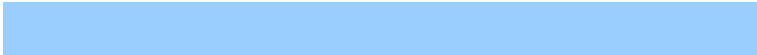
25.3661, 18.7433, 2.2809



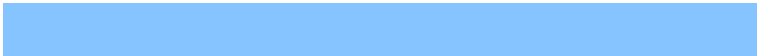
2.5785, 2.0423, 0.2583

Inverse Universe

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



53.2573, 58.1327, 103.0214



47.4433, 51.7411, 102.0942



43.1432, 37.9044, 99.6500



17.7838, 18.9392, 22.9683



13.9279, 12.7654, 51.1645



1.4655, 1.4618, 5.0182

Previews

White Background



This preview shows how the XYZ color 68.1103, 65.8010, 39.2480 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 68.1103, 65.8010, 39.2480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

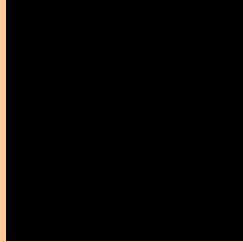
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1103, 65.8010, 39.2480

Background



This preview shows how black text looks on a background with the XYZ color 68.1103, 65.8010, 39.2480.



This preview shows how white text looks on a background with the XYZ color 68.1103, 65.8010,

39.2480.

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

68.1103, 65.8010, 39.2480

Protanopia

61.6242, 66.0153, 41.3926

Deuteranopia

67.2506, 65.7072, 39.2753



Tritanopia

72.8391, 65.8456, 69.8432

Trichromacy



Original Color

68.1103, 65.8010, 39.2480

Protanomaly

63.8165, 65.6892, 40.7683

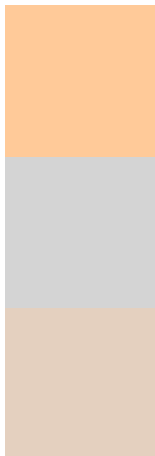
Deuteranomaly

67.6137, 65.8944, 39.2923

Tritanomaly

70.8487, 65.7810, 57.1070

Monochromacy



Original Color

68.1103, 65.8010, 39.2480

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.9548, 65.3673, 58.5366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1103, 65.8010, 39.2480 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, 202, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 153) }
```

Border

The CSS property to change the border of an element to XYZ 68.1103, 65.8010, 39.2480 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, 202, 153) }
```


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

```
.border{ border-color:rgb(255, 202, 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, 202, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1103, 65.8010, 39.2480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 153) }
```

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

```
.background{ background-color: rgb(255,  
202, 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