

Converting Colors

XYZ(107.7156, 86.1566,
40.6551)

Have a look what the booklet for
XYZ(107.7156, 86.1566, 40.6551)
contains.

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Color

**XYZ(68.0280, 65.7681,
38.8148)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA98
RGB	255, 202, 152
RGB Percent	100%, 79%, 60%
CMY	0.0000, 0.2078, 0.4039
CMYK	0.00, 0.21, 0.40, 0.00
HSL	29°, 100%, 80%
HSV	29°, 40%, 100%
XYZ	68.0280, 65.7681, 38.8148
YIQ	212.1470, 47.6380, -4.3140

Conversions

Conversions Part 2

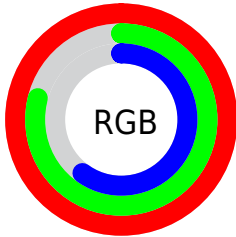
Format	Color
R _Y B	255, 249, 152
Decimal	16763544
CIE Lab	84.88, 12.43, 32.12
CIE LCh	85, 34.440, 68.836
Yxy	65.7681, 0.3941, 0.3810
Android (android.graphics.Color)	4294953624 (0xFFFFCA98)
YUV	212.1470, -29.6525, 37.5821
Hunter-Lab	81.0975, 7.8126, 28.3910

Details

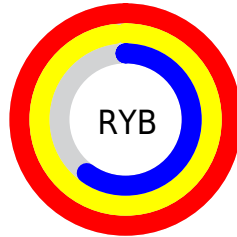
The XYZ color **68.0280, 65.7681, 38.8148** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.8293, 57.5557, 102.9325**, and the grayscale version is **62.8474, 66.1203, 72.0050**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **35.6551, 33.8357, 16.7083** is the 20% darker color. If you saturate the color by 10%, you get **63.2115, 59.1258, 27.9897**, and if you desaturate by 10%, it is **73.5585, 73.1197, 52.0943**.

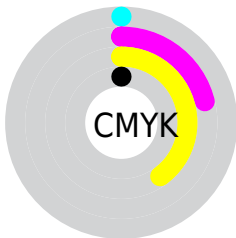
Distribution



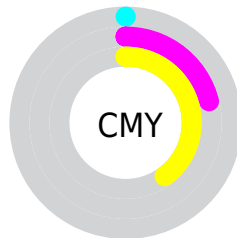
- Red (100%)
- Green (79%)
- Blue (60%)



- Red (100%)
- Yellow (98%)
- 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 68.0280, 65.7681, 38.8148 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 68.0280, 65.7681, 38.8148 by changing the saturation by 10% instead.


 68.0280, 65.7681,
38.8148

 68.0280, 65.7681,
38.8148


442.9704,
445.5471, 356.5049

 50.1943, 48.0842,
26.3090


 115.4339,
113.1534, 74.5725

 35.7862, 33.8936,
16.8271


 145.7368,
143.6236, 98.6615

 24.4385, 22.8118,
9.9506


180.9267,
179.1247, 127.4486

 15.7857, 14.4546,
5.2611

221.3691,
220.0410, 161.3524

 9.4625, 8.4375,
2.3398

267.4294,
266.7571, 200.7913

 5.1036, 4.3762,
0.7534

319.4727,

 2.3436, 1.8861,

319.6571, 246.1841

0.0000

377.8646,
379.1257, 297.9491

■ 0.8168, 0.5400,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0280, 65.7681,
38.8148

■ 68.0280, 65.7681,
38.8148

■ 63.2115, 59.1258,
27.9897

■ 73.5585, 73.1197,
52.0943

■ 59.0686, 53.1589,
19.4599

■ 79.8309, 81.1944,
67.9656

■ 55.5618, 47.8441,
13.0534

■ 86.8771, 90.0170,
86.5606

■ 52.6467, 43.1523,
8.5723

■ 94.7259, 99.6085,
108.0012

■ 50.2717, 39.0513,
5.7798

95.0499, 99.9999,
108.9000

■ 48.4226, 35.6254,
4.3242

Harmonies

Analogous

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



74.8090, 65.7681, 48.1095



68.0280, 65.7681, 38.8148



60.2566, 65.7681, 37.2642

Triad

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



68.0280, 65.7681, 38.8148



48.9522, 65.7681, 78.3455



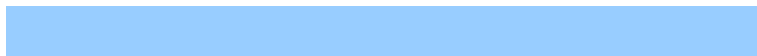
72.2954, 65.7681, 110.1192

Complementary

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



68.0280, 65.7681, 38.8148



52.8293, 57.5557, 102.9325

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.



64.8201, 65.7681, 122.4053



68.0280, 65.7681, 38.8148



51.6398, 65.7681, 101.7359

Square

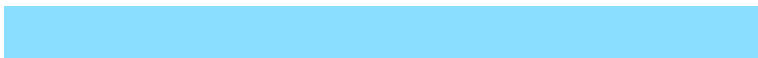
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.0280, 65.7681, 38.8148



49.6569, 65.7681, 57.3240



57.2999, 65.7681, 119.0564



77.4105, 65.7681, 88.0924

Rectangle

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



68.0280, 65.7681, 38.8148



55.6169, 65.7681, 40.4361



57.2999, 65.7681, 119.0564



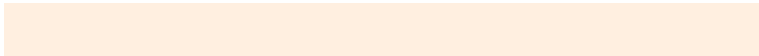
69.9517, 65.7681, 115.7121

Sweetspot

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



68.0297, 65.7712, 38.8161



85.6904, 88.5466, 83.3806



63.5142, 48.1353, 63.8388



18.1382, 18.7001, 17.3056



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.



68.0297, 65.7712, 38.8161



64.3011, 60.6524, 30.3637



82.1223, 93.9564, 43.5137



18.7373, 19.4427, 18.9096



25.4501, 18.9113, 2.3089



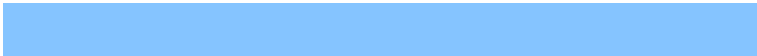
2.5868, 2.0590, 0.2611

Inverse Universe

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



52.8293, 57.5557, 102.9325



47.3041, 51.4627, 102.0478



42.5084, 36.9139, 99.4922



17.7759, 18.9235, 22.9657



13.8366, 12.5829, 51.1341



1.4566, 1.4440, 5.0152

Previews

White Background



This preview shows how the XYZ color 68.0280, 65.7681, 38.8148 looks on a white background.

Color Contrast Check

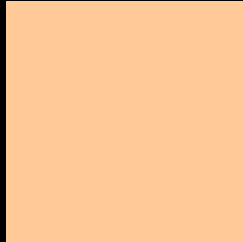
Large Text (above 18pt) WCAG AA × Fail

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 68.0280, 65.7681, 38.8148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

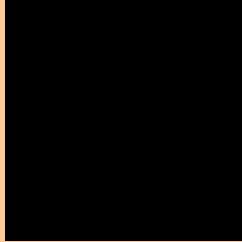
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0280, 65.7681, 38.8148

Background



This preview shows how black text looks on a background with the XYZ color 68.0280, 65.7681, 38.8148.



This preview shows how white text looks on a background with the XYZ color 68.0280, 65.7681,

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

68.0280, 65.7681, 38.8148

Protanopia

61.5391, 65.9812, 40.9447

Deuteranopia

67.1683, 65.6743, 38.8420



Tritanopia

72.8391, 65.8456, 69.8432

Trichromacy



Original Color

68.0280, 65.7681, 38.8148

Protanomaly

63.7322, 65.6555, 40.3241

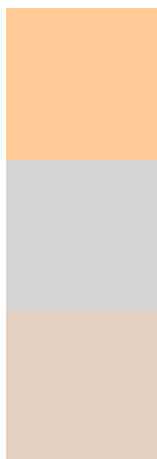
Deuteranomaly

67.5314, 65.8615, 38.8590

Tritanomaly

70.8487, 65.7810, 57.1070

Monochromacy



Original Color

68.0280, 65.7681, 38.8148

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

63.8450, 65.3234, 57.9589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0280, 65.7681, 38.8148 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 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, 202, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 152) }
```

Border

The CSS property to change the border of an element to XYZ 68.0280, 65.7681, 38.8148 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, 152) }
```


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

```
.border{ border-color:rgb(255, 202, 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, 202, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0280, 65.7681, 38.8148 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, 152) }
```

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

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