

Converting Colors

XYZ(67.9749, 65.1894, 40.2532)

Have a look what the booklet for
XYZ(67.9749, 65.1894, 40.2532)
contains.

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Color

**XYZ(68.1274, 65.4336,
40.4917)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC99C
RGB	255, 201, 156
RGB Percent	100%, 79%, 61%
CMY	0.0000, 0.2117, 0.3882
CMYK	0.00, 0.21, 0.39, 0.00
HSL	27°, 100%, 81%
HSV	27°, 39%, 100%
XYZ	68.1274, 65.4336, 40.4917
YIQ	212.0160, 46.6290, -2.5470

Conversions

Conversions Part 2

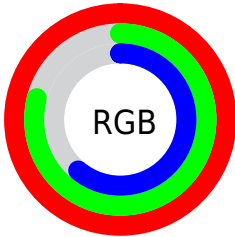
Format	Color
R_{YB}	255, 239, 156
Decimal	16763292
CIE _{Lab}	84.71, 13.39, 29.81
CIE _{LCh}	85, 32.677, 65.810
Yxy	65.4336, 0.3914, 0.3759
Android (android.graphics.Color)	4294953372 (0xFFFFC99C)
YUV	212.0160, -27.6159, 37.6970
Hunter-Lab	80.8910, 8.7755, 26.9449

Details

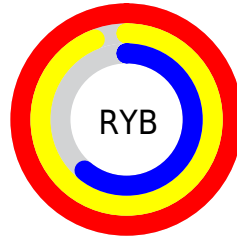
The XYZ color **68.1274, 65.4336, 40.4917** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.8060, 60.3789, 103.3734**, and the grayscale version is **62.7475, 66.0152, 71.8906**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **35.9584, 33.7372, 17.7134** is the 20% darker color. If you saturate the color by 10%, you get **63.0943, 58.4678, 29.2561**, and if you desaturate by 10%, it is **73.9107, 73.1740, 54.2150**.

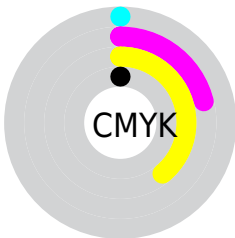
Distribution



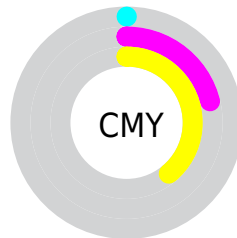
- Red (100%)
- Green (79%)
- Blue (61%)



- Red (100%)
- Yellow (94%)
- Blue (61%)



- Cyan (0%)
- Magenta (21%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1274, 65.4336, 40.4917 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 68.1274, 65.4336, 40.4917 by changing the saturation by 10% instead.


 68.1274, 65.4336,
40.4917


 68.1274, 65.4336,
40.4917


443.3169,
444.3485, 363.8052

 50.2754, 47.8128,
27.6054


 115.5753,
112.6730, 77.1569

 35.8510, 33.6786,
17.7920


 145.9019,
143.0604, 101.7730

 24.4887, 22.6468,
10.6329


181.1175,
178.4720, 131.1360

 15.8232, 14.3329,
5.7095

221.5874,
219.2924, 165.6646

 9.4892, 8.3526,
2.6033

267.6769,
265.9058, 205.7773

 5.1213, 4.3214,
0.8942

319.7514,

 2.3541, 1.8549,

318.6967, 251.8926

0.0000

378.1763,
378.0495, 304.4290

■ 0.8221, 0.5211,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.1274, 65.4336,
40.4917

■ 68.1274, 65.4336,
40.4917

■ 63.0943, 58.4678,
29.2561

■ 73.9107, 73.1740,
54.2150

■ 58.7702, 52.2405,
20.3510

■ 80.4727, 81.7051,
70.5619

■ 55.1166, 46.7258,
13.6073

■ 87.8466, 91.0541,
89.6633

■ 52.0888, 41.8923,
8.8309

95.0500, 100.0000,
108.9000

■ 49.6350, 37.7050,
5.7921

■ 47.6833, 34.1202,
4.1589

■ 47.4766, 33.7332,
4.0089

Harmonies

Analogous

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



74.2926, 65.4336, 50.2069



68.1274, 65.4336, 40.4917



60.7817, 65.4336, 38.2526

Triad

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



68.1274, 65.4336, 40.4917



49.2397, 65.4336, 75.3961



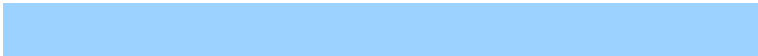
70.7779, 65.4336, 109.0993

Complementary

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



68.1274, 65.4336, 40.4917



54.8060, 60.3789, 103.3734

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.



63.6253, 65.4336, 119.2251



68.1274, 65.4336, 40.4917



51.4835, 65.4336, 97.4685

Square

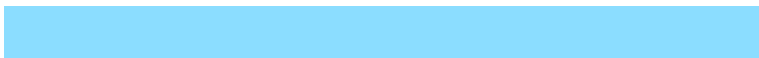
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1274, 65.4336, 40.4917



50.2402, 65.4336, 56.0016



56.6130, 65.4336, 114.5989



75.9048, 65.4336, 89.0328

Rectangle

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



68.1274, 65.4336, 40.4917



56.2757, 65.4336, 40.8223



56.6130, 65.4336, 114.5989



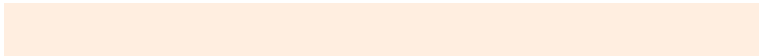
68.5105, 65.4336, 113.9404

Sweetspot

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



68.1291, 65.4367, 40.4930



85.4140, 87.9938, 83.2885



64.8179, 49.7132, 67.4469



18.0733, 18.5702, 17.2840



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.



68.1291, 65.4367, 40.4930



63.9580, 59.6821, 31.1259



81.4420, 92.0627, 44.9307



18.6895, 19.3473, 18.8937



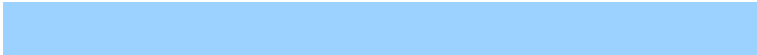
24.9523, 17.9159, 2.1430



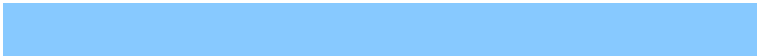
2.5370, 1.9594, 0.2445

Inverse Universe

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



54.8060, 60.3789, 103.3734



48.8398, 53.9313, 102.4434



44.4971, 39.7609, 99.9371



17.8241, 19.0197, 22.9817



14.4128, 13.7352, 51.3261



1.5126, 1.5558, 5.0339

Previews

White Background



This preview shows how the XYZ color 68.1274, 65.4336, 40.4917 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 68.1274, 65.4336, 40.4917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

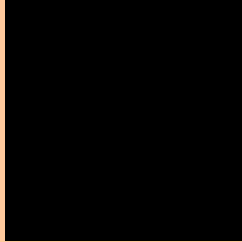
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1274, 65.4336, 40.4917

Background



This preview shows how black text looks on a background with the XYZ color 68.1274, 65.4336, 40.4917.



This preview shows how white text looks on a background with the XYZ color 68.1274, 65.4336,

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

68.1274, 65.4336, 40.4917

Protanopia

61.0913, 65.3305, 43.1084

Deuteranopia

66.7810, 65.4362, 40.5632



Tritanopia

72.4886, 65.3433, 69.1136

Trichromacy



Original Color

68.1274, 65.4336, 40.4917

Protanomaly

63.4959, 65.1334, 42.0263

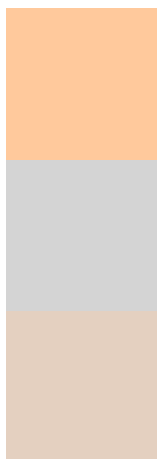
Deuteranomaly

67.2662, 65.3368, 40.5184

Tritanomaly

70.7283, 65.3659, 57.6043

Monochromacy



Original Color

68.1274, 65.4336, 40.4917

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.0652, 65.4115, 59.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1274, 65.4336, 40.4917 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, 201, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 156)  
}
```

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, 201, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 156) }
```

Border

The CSS property to change the border of an element to XYZ 68.1274, 65.4336, 40.4917 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, 201, 156) }
```


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

```
.border{ border-color:rgb(255, 201, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1274, 65.4336, 40.4917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 156) }
```

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

```
.background{ background-color: rgb(255,  
201, 156) }
```

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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