

Converting Colors

XYZ(95.8846, 78.5085, 49.5875)

Have a look what the booklet for
XYZ(95.8846, 78.5085, 49.5875)
contains.

XYZ(68.9769, 64.6653, 48.3813)	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(68.9769, 64.6653,
48.3813)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC6AD
RGB	255, 198, 173
RGB Percent	100%, 78%, 68%
CMY	0.0000, 0.2235, 0.3216
CMYK	0.00, 0.22, 0.32, 0.00
HSL	18°, 100%, 84%
HSV	18°, 32%, 100%
XYZ	68.9769, 64.6653, 48.3813
YIQ	212.1930, 41.9970, 4.3090

Conversions

Conversions Part 2

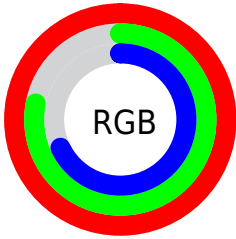
Format	Color
R _Y B	255, 209, 173
Decimal	16762541
CIE Lab	84.31, 16.95, 20.33
CIE LCh	84, 26.470, 50.188
Yxy	64.6653, 0.3789, 0.3553
Android (android.graphics.Color)	4294952621 (0xFFFFC6AD)
YUV	212.1930, -19.3221, 37.5417
Hunter-Lab	80.4147, 12.3852, 20.6187

Details

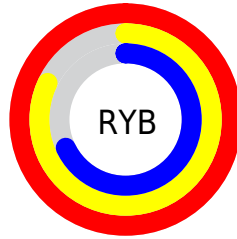
The XYZ color **68.9769, 64.6653, 48.3813** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.5794, 72.6953, 105.2883**, and the grayscale version is **62.8140, 66.0852, 71.9668**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **36.4504, 33.1973, 22.5757** is the 20% darker color. If you saturate the color by 10%, you get **62.9243, 56.1391, 35.3300**, and if you desaturate by 10%, it is **75.9779, 74.3341, 64.0733**.

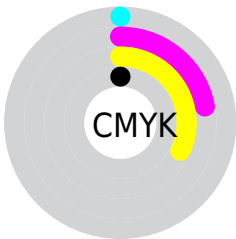
Distribution



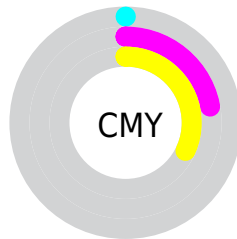
- Red (100%)
- Green (78%)
- Blue (68%)



- Red (100%)
- Yellow (82%)
- Blue (68%)



- Cyan (0%)
- Magenta (22%)
- Yellow (32%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.9769, 64.6653, 48.3813 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 68.9769, 64.6653, 48.3813 by changing the saturation by 10% instead.


 68.9769, 64.6653,
48.3813

 68.9769, 64.6653,
48.3813


446.2721,
441.5882, 396.8537

 50.9695, 47.1897,
33.7668


 116.7828,
111.5685, 89.1433

 36.4053, 33.1857,
22.4386

147.3120,
141.7650, 116.1279

 24.9189, 22.2687,
13.9781


182.7459,
176.9705, 148.0729

 16.1451, 14.0545,
7.9669

223.4497,
217.5695, 185.3970

 9.7184, 8.1586,
3.9863

269.7889,
263.9464, 228.5185

 5.2734, 4.1966,
1.6178

322.1288,

 2.4450, 1.7841,

316.4855, 277.8561

0.3035

380.8348,
375.5714, 333.8284

■ 0.8676, 0.4773,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.9769, 64.6653,
48.3813

■ 68.9769, 64.6653,
48.3813

■ 62.9243, 56.1391,
35.3300

■ 75.9779, 74.3341,
64.0733

■ 57.7719, 48.7031,
24.7686

■ 83.9625, 85.1773,
82.5377

■ 53.4746, 42.3141,
16.5368

■ 92.9701, 97.2367,
103.9017

■ 49.9811, 36.9223,
10.4539

95.0500, 100.0000,
108.9000

■ 47.2334, 32.4733,
6.3121

■ 45.1643, 28.9065,
3.8610

■ 43.9474, 26.6748,
2.8325

Harmonies

Analogous

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



72.6776, 64.6653, 59.8316



68.9769, 64.6653, 48.3813



63.4062, 64.6653, 43.1164

Triad

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



68.9769, 64.6653, 48.3813



50.9968, 64.6653, 65.0428



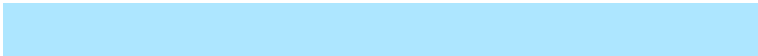
65.4410, 64.6653, 105.3193

Complementary

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



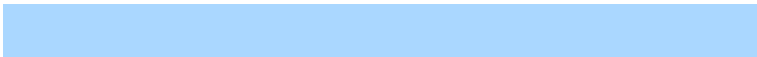
68.9769, 64.6653, 48.3813



63.5794, 72.6953, 105.2883

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.



59.5588, 64.6653, 107.3111



68.9769, 64.6653, 48.3813



51.4648, 64.6653, 82.1660

Square

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



68.9769, 64.6653, 48.3813



53.1927, 64.6653, 51.6727



54.5145, 64.6653, 98.2769



70.5477, 64.6653, 93.2031

Rectangle

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



68.9769, 64.6653, 48.3813



59.4873, 64.6653, 43.1431



54.5145, 64.6653, 98.2769



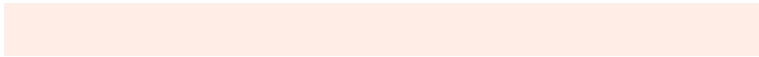
63.4808, 64.6653, 107.2622

Sweetspot

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



68.9785, 64.6683, 48.3826



85.8170, 87.6735, 86.8949



70.5231, 56.8834, 82.4207



18.1085, 18.4161, 17.9879



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.



68.9785, 64.6683, 48.3826



64.7356, 58.7109, 39.1735



79.5326, 85.7764, 51.9006



18.4610, 18.8902, 18.8175



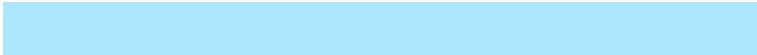
23.0781, 14.1673, 1.5182



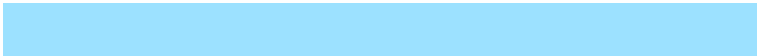
2.3385, 1.5624, 0.1783

Inverse Universe

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



63.5794, 72.6953, 105.2883



58.5104, 67.9171, 104.6332



53.5679, 52.6725, 101.9512



18.0600, 19.4915, 23.0603



17.8094, 20.5284, 52.4583



1.8306, 2.1919, 5.1399

Previews

White Background



This preview shows how the XYZ color 68.9769, 64.6653, 48.3813 looks on a white background.

Color Contrast Check

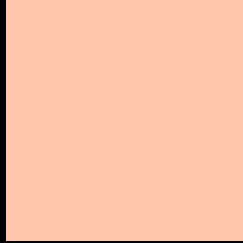
Large Text (above 18pt) WCAG AA × Fail

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 68.9769, 64.6653, 48.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

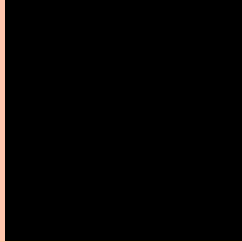
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9769, 64.6653, 48.3813

Background



This preview shows how black text looks on a background with the XYZ color 68.9769, 64.6653, 48.3813.



This preview shows how white text looks on a background with the XYZ color 68.9769, 64.6653,

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

68.9769, 64.6653, 48.3813

Protanopia

61.3075, 64.8775, 51.9392

Deuteranopia

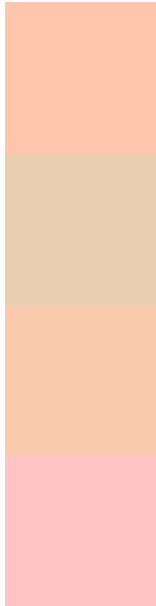
65.8752, 64.4527, 47.9983



Tritanopia

72.1403, 64.8443, 68.3885

Trichromacy



Original Color

68.9769, 64.6653, 48.3813

Protanomaly

63.9388, 64.8094, 50.7345

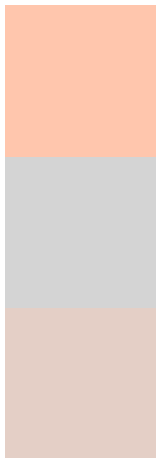
Deuteranomaly

67.0444, 64.7083, 47.9861

Tritanomaly

70.8303, 64.6800, 60.3811

Monochromacy



Original Color

68.9769, 64.6653, 48.3813

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

64.5008, 65.1968, 62.6108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9769, 64.6653, 48.3813 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 173) }
```

Border

The CSS property to change the border of an element to XYZ 68.9769, 64.6653, 48.3813 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, 173) }
```


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

```
.border{ border-color:rgb(255, 198, 173) }
```

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, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9769, 64.6653, 48.3813 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, 173) }
```

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

```
.background{ background-color: rgb(255,  
198, 173) }
```

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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