

Converting Colors

XYZ(103.4366, 81.2483,
51.0642)

Have a look what the booklet for
XYZ(103.4366, 81.2483, 51.0642)
contains.

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Color

**XYZ(68.5916, 63.4248,
49.7013)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3B0
RGB	255, 195, 176
RGB Percent	100%, 76%, 69%
CMY	0.0000, 0.2353, 0.3098
CMYK	0.00, 0.24, 0.31, 0.00
HSL	14°, 100%, 85%
HSV	14°, 31%, 100%
XYZ	68.5916, 63.4248, 49.7013
YIQ	210.7740, 41.8590, 6.8110

Conversions

Conversions Part 2

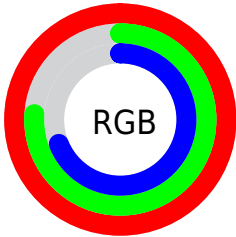
Format	Color
R _Y B	255, 201, 176
Decimal	16761776
CIE Lab	83.67, 18.89, 17.84
CIE LCh	84, 25.987, 43.366
Yxy	63.4248, 0.3775, 0.3490
Android (android.graphics.Color)	4294951856 (0xFFFFC3B0)
YUV	210.7740, -17.1436, 38.7862
Hunter-Lab	79.6397, 14.3680, 18.7463

Details

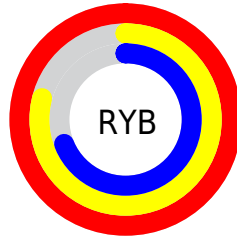
The XYZ color **68.5916, 63.4248, 49.7013** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.9489, 76.4384, 105.8859**, and the grayscale version is **61.8593, 65.0808, 70.8730**.

A 20% lighter version of the original color is **90.6159, 96.7070, 90.2343**, and **36.1260, 32.3501, 23.0790** is the 20% darker color. If you saturate the color by 10%, you get **62.2405, 54.3883, 36.2839**, and if you desaturate by 10%, it is **75.9825, 73.7822, 65.8048**.

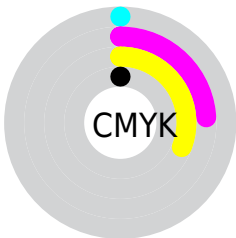
Distribution



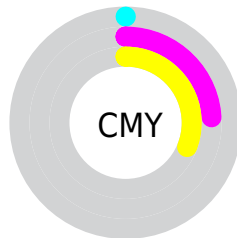
- Red (100%)
- Green (76%)
- Blue (69%)



- Red (100%)
- Yellow (79%)
- Blue (69%)



- Cyan (0%)
- Magenta (24%)
- Yellow (31%)
- Black (0%)





- Cyan (0%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5916, 63.4248, 49.7013 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 68.5916, 63.4248, 49.7013 by changing the saturation by 10% instead.


 68.5916, 63.4248,
49.7013

 68.5916, 63.4248,
49.7013


444.9332,
437.1095, 402.1982

 50.6546, 46.1850,
34.8066


 116.2353,
109.7821, 91.1239

 36.1537, 32.3918,
23.2316


146.6728,
139.6684, 118.4889

 24.7236, 21.6609,
14.5577


182.0078,
174.5390, 150.8477

 15.9989, 13.6080,
8.3664

222.6057,
214.7782, 188.6189

 9.6142, 7.8485,
4.2392

268.8318,
260.7704, 232.2210

 5.2042, 3.9982,
1.7574

321.0515,

 2.4036, 1.6725,

312.9002, 282.0726

0.3997

379.6302,
371.5517, 338.5921

■ 0.8469, 0.4058,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.5916, 63.4248,
49.7013

■ 68.5916, 63.4248,
49.7013

■ 62.2405, 54.3883,
36.2839

■ 75.9825, 73.7822,
65.8048

■ 56.8765, 46.6102,
25.4015

■ 84.4534, 85.5022,
84.7265

■ 52.4491, 40.0363,
16.8939

■ 94.0479, 98.6354,
106.5943

■ 48.9010, 34.6043,
10.5808

■ 95.0500, 100.0000,
108.9000

■ 46.1684, 30.2465,
6.2557

■ 44.1773, 26.8870,
3.6720

■ 42.9273, 24.6346,
2.4924

Harmonies

Analogous

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



71.5660, 63.4248, 62.0660



68.5916, 63.4248, 49.7013



63.4696, 63.4248, 43.1780

Triad

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



68.5916, 63.4248, 49.7013



50.3968, 63.4248, 60.4726



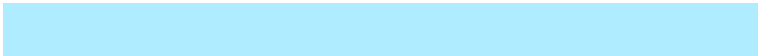
62.8480, 63.4248, 104.2473

Complementary

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



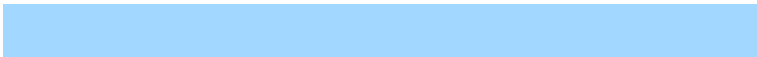
68.5916, 63.4248, 49.7013



65.9489, 76.4384, 105.8859

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.



57.2056, 63.4248, 103.6400



68.5916, 63.4248, 49.7013



50.2536, 63.4248, 76.5581

Square

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



68.5916, 63.4248, 49.7013



53.0789, 63.4248, 48.6936



52.6747, 63.4248, 92.8847



68.1119, 63.4248, 94.4326

Rectangle

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



68.5916, 63.4248, 49.7013



59.6433, 63.4248, 42.2654



52.6747, 63.4248, 92.8847



60.9280, 63.4248, 105.2965

Sweetspot

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



68.5932, 63.4277, 49.7026



86.2624, 87.9887, 88.8182



71.9885, 58.4004, 87.2677



18.1782, 18.4409, 18.3647



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.



68.5932, 63.4277, 49.7026



64.6476, 57.8316, 41.3119



78.4806, 83.2026, 52.9984



18.3641, 18.6964, 18.7852



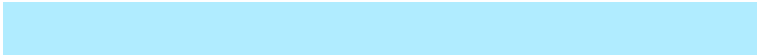
22.5262, 13.0635, 1.3343



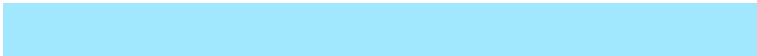
2.2737, 1.4329, 0.1567

Inverse Universe

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



65.9489, 76.4384, 105.8859



61.6192, 72.6441, 105.3818



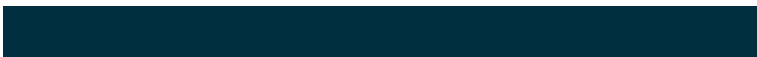
55.9365, 56.4136, 102.5485



18.1628, 19.6973, 23.0946



19.5937, 24.0970, 53.0531



1.9923, 2.5152, 5.1938

Previews

White Background



This preview shows how the XYZ color 68.5916, 63.4248, 49.7013 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 68.5916, 63.4248, 49.7013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

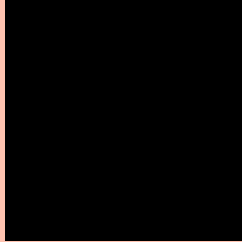
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.5916, 63.4248, 49.7013

Background



This preview shows how black text looks on a background with the XYZ color 68.5916, 63.4248, 49.7013.



This preview shows how white text looks on a background with the XYZ color 68.5916, 63.4248,

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

68.5916, 63.4248, 49.7013

Protanopia

60.3165, 63.5907, 53.8950

Deuteranopia

64.9001, 63.5692, 49.4069



Tritanopia

71.2302, 63.4155, 66.8787

Trichromacy



Original Color

68.5916, 63.4248, 49.7013

Protanomaly

62.8729, 63.1630, 52.0579

Deuteranomaly

66.1673, 63.5348, 49.3335

Tritanomaly

70.1603, 63.3401, 60.1578

Monochromacy



Original Color

68.5916, 63.4248, 49.7013

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.7029, 64.0708, 62.4355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5916, 63.4248, 49.7013 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, 195, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 176)  
}
```

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, 195, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 176) }
```

Border

The CSS property to change the border of an element to XYZ 68.5916, 63.4248, 49.7013 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, 195, 176) }
```


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

```
.border{ border-color:rgb(255, 195, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5916, 63.4248, 49.7013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 176) }
```

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

```
.background{ background-color: rgb(255,  
195, 176) }
```

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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