

Converting Colors

XYZ(68.9505, 63.4964, 48.9986)

Have a look what the booklet for
XYZ(68.9505, 63.4964, 48.9986)
contains.

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Color

**XYZ(68.4930, 63.3854,
49.1821)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC3AF
RGB	255, 195, 175
RGB Percent	100%, 76%, 69%
CMY	0.0000, 0.2353, 0.3137
CMYK	0.00, 0.24, 0.31, 0.00
HSL	15°, 100%, 84%
HSV	15°, 31%, 100%
XYZ	68.4930, 63.3854, 49.1821
YIQ	210.6600, 42.1800, 6.5000

Conversions

Conversions Part 2

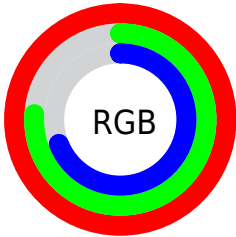
Format	Color
R _Y B	255, 202, 175
Decimal	16761775
CIE Lab	83.64, 18.77, 18.35
CIE LCh	84, 26.245, 44.353
Yxy	63.3854, 0.3783, 0.3501
Android (android.graphics.Color)	4294951855 (0xFFFFC3AF)
YUV	210.6600, -17.5804, 38.8862
Hunter-Lab	79.6149, 14.2380, 19.1041

Details

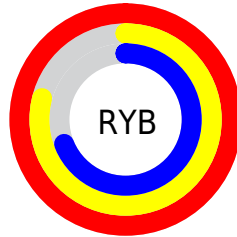
The XYZ color **68.4930, 63.3854, 49.1821** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.4365, 75.7480, 105.7797**, and the grayscale version is **61.7868, 65.0045, 70.7899**.

A 20% lighter version of the original color is **90.4742, 96.6503, 89.4882**, and **36.0637, 32.3252, 22.7510** is the 20% darker color. If you saturate the color by 10%, you get **62.2074, 54.4509, 35.8756**, and if you desaturate by 10%, it is **75.8035, 73.6125, 65.1648**.

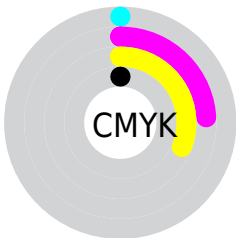
Distribution



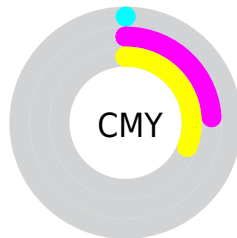
- Red (100%)
- Green (76%)
- Blue (69%)



- 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 68.4930, 63.3854, 49.1821 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 68.4930, 63.3854, 49.1821 by changing the saturation by 10% instead.


 68.4930, 63.3854,
49.1821

 68.4930, 63.3854,
49.1821


444.5902,
436.9668, 400.1018

 50.5741, 46.1531,
34.3973


 116.0952,
109.7253, 90.3456

 36.0894, 32.3666,
22.9192


146.5091,
139.6017, 117.5615

 24.6737, 21.6417,
14.3291


181.8188,
174.4616, 149.7581

 15.9615, 13.5939,
8.2086

222.3895,
214.6893, 187.3541

 9.5876, 7.8387,
4.1390

268.5866,
260.6693, 230.7679

 5.1866, 3.9919,
1.7019

320.7756,

 2.3930, 1.6690,

312.7860, 280.4181

0.3620

379.3216,
371.4237, 336.7232

0.8416, 0.4035,
0.0000

0.0000, 0.0000,
0.0000

68.4930, 63.3854,
49.1821

68.4930, 63.3854,
49.1821

62.2074, 54.4509,
35.8756

75.8035, 73.6125,
65.1648

56.8946, 46.7480,
25.0939

84.1783, 85.1723,
83.9559

52.5048, 40.2242,
16.6766

93.6605, 98.1142,
105.6834

48.9817, 34.8192,
10.4428

95.0500, 100.0000,
108.9000

■ 46.2621, 30.4671,
6.1851

■ 44.2731, 27.0944,
3.6554

■ 43.0603, 24.9006,
2.5368

Harmonies

Analogous

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



71.5911, 63.3854, 61.4686



68.4930, 63.3854, 49.1821



63.2740, 63.3854, 42.8195

Triad

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



68.4930, 63.3854, 49.1821



50.2247, 63.3854, 60.8317



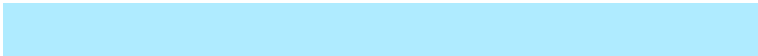
63.0253, 63.3854, 104.4164

Complementary

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



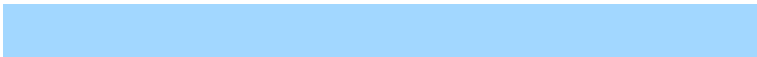
68.4930, 63.3854, 49.1821



65.4365, 75.7480, 105.7797

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.



57.3160, 63.3854, 104.1728



68.4930, 63.3854, 49.1821



50.1675, 63.3854, 77.1571

Square

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



68.4930, 63.3854, 49.1821



52.8505, 63.3854, 48.7800



52.6889, 63.3854, 93.5723



68.3010, 63.3854, 94.1928

Rectangle

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



68.4930, 63.3854, 49.1821



59.4116, 63.3854, 42.0380



52.6889, 63.3854, 93.5723



61.0880, 63.3854, 105.6017

Sweetspot

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



68.4946, 63.3883, 49.1834



86.3257, 88.1153, 88.8393



71.5657, 57.9187, 86.0051



18.1937, 18.4719, 18.3699



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.



68.4946, 63.3883, 49.1834



64.2161, 57.3239, 40.0730



78.6865, 83.7721, 52.5807



18.3784, 18.7249, 18.7900



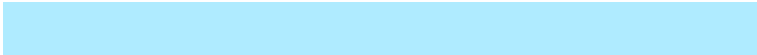
22.5986, 13.2084, 1.3584



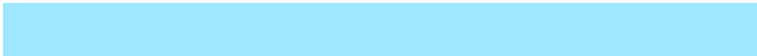
2.2826, 1.4505, 0.1597

Inverse Universe

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



65.4365, 75.7480, 105.7797



60.6814, 71.5216, 105.2145



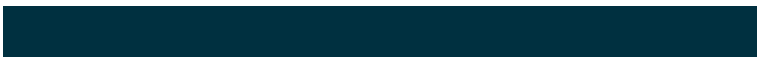
55.2449, 55.3649, 102.3825



18.1476, 19.6668, 23.0895



19.3179, 23.5453, 52.9611



1.9674, 2.4656, 5.1855

Previews

White Background



This preview shows how the XYZ color 68.4930, 63.3854, 49.1821 looks on a white background.

Color Contrast Check

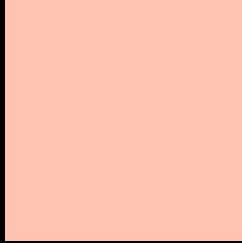
Large Text (above 18pt) WCAG AA × Fail

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 68.4930, 63.3854, 49.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

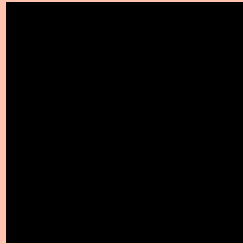
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.4930, 63.3854, 49.1821

Background



This preview shows how black text looks on a background with the XYZ color 68.4930, 63.3854, 49.1821.



This preview shows how white text looks on a background with the XYZ color 68.4930, 63.3854,

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

68.4930, 63.3854, 49.1821

Protanopia

60.2128, 63.5492, 53.3486

Deuteranopia

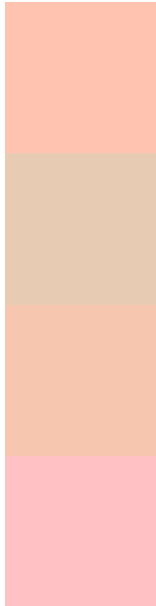
64.8023, 63.5301, 48.8915



Tritanopia

71.2302, 63.4155, 66.8787

Trichromacy



Original Color

68.4930, 63.3854, 49.1821

Protanomaly

62.7713, 63.1224, 51.5233

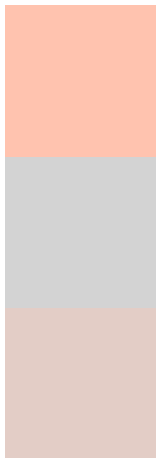
Deuteranomaly

66.0694, 63.4957, 48.8181

Tritanomaly

70.1603, 63.3401, 60.1578

Monochromacy



Original Color

68.4930, 63.3854, 49.1821

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 68.4930, 63.3854, 49.1821 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 175) }
```

Border

The CSS property to change the border of an element to XYZ 68.4930, 63.3854, 49.1821 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, 175) }
```


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

```
.border{ border-color:rgb(255, 195, 175) }
```

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, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4930, 63.3854, 49.1821 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
195, 175) }
```

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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