

Converting Colors

XYZ(68.8575, 64.0363, 49.5476)

Have a look what the booklet for
XYZ(68.8575, 64.0363, 49.5476)
contains.

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Color

**XYZ(68.8164, 63.8744,
49.7763)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC4B0
RGB	255, 196, 176
RGB Percent	100%, 77%, 69%
CMY	0.0000, 0.2313, 0.3098
CMYK	0.00, 0.23, 0.31, 0.00
HSL	15°, 100%, 85%
HSV	15°, 31%, 100%
XYZ	68.8164, 63.8744, 49.7763
YIQ	211.3610, 41.5840, 6.2880

Conversions

Conversions Part 2

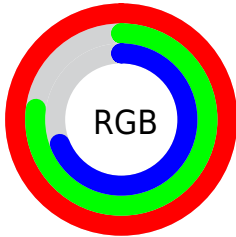
Format	Color
R _Y B	255, 203, 176
Decimal	16762032
CIE Lab	83.90, 18.37, 18.17
CIE LCh	84, 25.839, 44.691
Yxy	63.8744, 0.3771, 0.3501
Android (android.graphics.Color)	4294952112 (0xFFFFC4B0)
YUV	211.3610, -17.4330, 38.2714
Hunter-Lab	79.9215, 13.8349, 19.0183

Details

The XYZ color **68.8164, 63.8744, 49.7763** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **65.6619, 75.8643, 105.7903**, and the grayscale version is **62.2494, 65.4912, 71.3199**.

A 20% lighter version of the original color is **90.9308, 97.3368, 90.3392**, and **36.2741, 32.6464, 23.1284** is the 20% darker color. If you saturate the color by 10%, you get **62.5005, 54.9081, 36.3706**, and if you desaturate by 10%, it is **76.1546, 74.1265, 65.8623**.

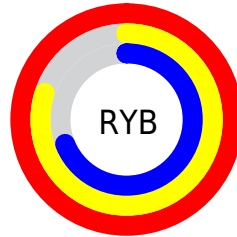
Distribution



Red (100%)

Green (77%)

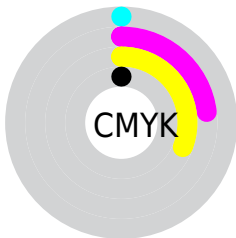
Blue (69%)



Red (100%)

Yellow (80%)

Blue (69%)

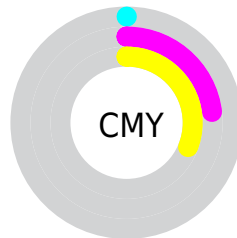


Cyan (0%)

Magenta (23%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (23%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8164, 63.8744, 49.7763 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 68.8164, 63.8744, 49.7763 by changing the saturation by 10% instead.


 68.8164, 63.8744,
49.7763

 68.8164, 63.8744,
49.7763


445.7147,
438.7359, 402.5005

 50.8383, 46.5490,
34.8657


 116.5548,
110.4300, 91.2362

 36.3005, 32.6792,
23.2768

147.0458,
140.4290, 118.6227

 24.8375, 21.8808,
14.5908


182.4385,
175.4213, 151.0049

 16.0841, 13.7694,
8.3893

223.0983,
215.7912, 188.8013

 9.6749, 7.9604,
4.2537

269.3904,
261.9233, 232.4306

 5.2446, 4.0696,
1.7655

321.6803,

 2.4277, 1.7126,

314.2018, 282.3111

0.4051

380.3332,
373.0113, 338.8616

■ 0.8589, 0.4318,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8164, 63.8744,
49.7763

■ 68.8164, 63.8744,
49.7763

■ 62.5005, 54.9081,
36.3706

■ 76.1546, 74.1265,
65.8623

■ 57.1552, 47.1675,
25.4944

■ 84.5543, 85.7040,
84.7602

■ 52.7312, 40.6005,
16.9879

■ 94.0580, 98.6555,
106.5978

■ 49.1728, 35.1479,
10.6714

■ 95.0500, 100.0000,
108.9000

■ 46.4175, 30.7448,
6.3387

■ 44.3932, 27.3189,
3.7440

■ 43.1059, 24.9918,
2.5520

Harmonies

Analogous

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



71.9079, 63.8744, 61.9086



68.8164, 63.8744, 49.7763



63.6422, 63.8744, 43.5165

Triad

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



68.8164, 63.8744, 49.7763



50.7678, 63.8744, 61.6075



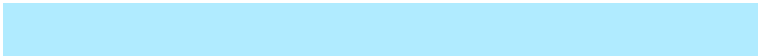
63.5248, 63.8744, 104.4310

Complementary

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



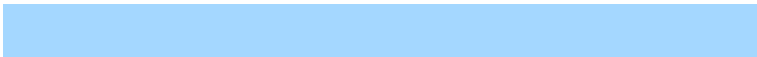
68.8164, 63.8744, 49.7763



65.6619, 75.8643, 105.7903

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.



57.8707, 63.8744, 104.3166



68.8164, 63.8744, 49.7763



50.7407, 63.8744, 77.7922

Square

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



68.8164, 63.8744, 49.7763



53.3443, 63.8744, 49.5857



53.2679, 63.8744, 93.9653



68.7259, 63.8744, 94.2572

Rectangle

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



68.8164, 63.8744, 49.7763



59.8212, 63.8744, 42.7849



53.2679, 63.8744, 93.9653



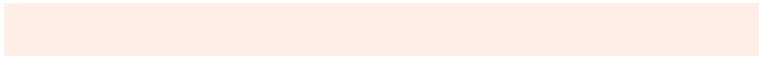
61.6089, 63.8744, 105.6400

Sweetspot

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



68.8180, 63.8773, 49.7776



86.3468, 88.1575, 88.8463



71.7973, 58.3239, 86.2606



18.1989, 18.4823, 18.3716



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.



68.8180, 63.8773, 49.7776



64.8955, 58.3275, 41.3946



78.8567, 83.9548, 53.1238



18.3831, 18.7344, 18.7915



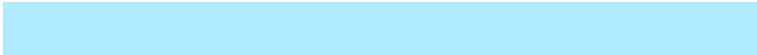
22.6234, 13.2581, 1.3667



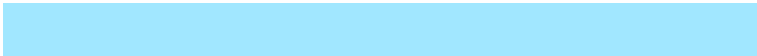
2.2856, 1.4565, 0.1607

Inverse Universe

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



65.6619, 75.8643, 105.7903



61.2836, 71.9730, 105.2699



55.6387, 55.8180, 102.4492



18.1425, 19.6567, 23.0879



19.2270, 23.3635, 52.9308



1.9593, 2.4492, 5.1828

Previews

White Background



This preview shows how the XYZ color 68.8164, 63.8744, 49.7763 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 68.8164, 63.8744, 49.7763 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 68.8164, 63.8744, 49.7763

Background



This preview shows how black text looks on a background with the XYZ color 68.8164, 63.8744, 49.7763.



This preview shows how white text looks on a background with the XYZ color 68.8164, 63.8744,

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

68.8164, 63.8744, 49.7763

Protanopia

60.7592, 64.1940, 53.4443

Deuteranopia

65.2425, 63.7457, 49.4229



Tritanopia

71.5724, 63.9049, 67.5941

Trichromacy



Original Color

68.8164, 63.8744, 49.7763

Protanomaly

63.4354, 63.8047, 52.1521

Deuteranomaly

66.5191, 63.7162, 49.3500

Tritanomaly

70.4956, 63.8291, 60.8293

Monochromacy



Original Color

68.8164, 63.8744, 49.7763

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

63.9429, 64.5507, 62.5155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8164, 63.8744, 49.7763 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, 196, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 196, 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, 196, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 196, 176) }
```

Border

The CSS property to change the border of an element to XYZ 68.8164, 63.8744, 49.7763 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, 196, 176) }
```


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

```
.border{ border-color:rgb(255, 196, 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, 196, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 196, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 196, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 196,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8164, 63.8744, 49.7763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 196, 176) }
```

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

```
.background{ background-color: rgb(255,  
196, 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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