

# Converting Colors

XYZ(71.4809, 62.0452, 49.8790)

Have a look what the booklet for  
XYZ(71.4809, 62.0452, 49.8790)  
contains.

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# Color

**XYZ(66.7347, 59.5521,  
49.5724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBAB1
RGB	255, 186, 177
RGB Percent	100%, 73%, 69%
CMY	0.0000, 0.2706, 0.3059
CMYK	0.00, 0.27, 0.31, 0.00
HSL	7°, 100%, 85%
HSV	7°, 31%, 100%
XYZ	66.7347, 59.5521, 49.5724
YIQ	205.6050, 44.0130, 11.8290

# Conversions

## Conversions Part 2

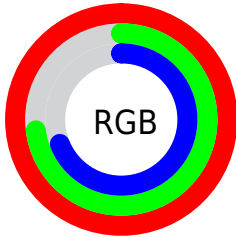
Format	Color
R <sub>Y</sub> B	255, 187, 177
Decimal	16759473
CIE Lab	81.59, 23.74, 14.41
CIE LCh	82, 27.766, 31.256
Yxy	59.5521, 0.3795, 0.3386
Android (android.graphics.Color)	4294949553 (0xFFFFBAB1)
YUV	205.6050, -14.1023, 43.3194
Hunter-Lab	77.1700, 19.3148, 15.9323

# Details

The XYZ color **66.7347, 59.5521, 49.5724** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.1361, 82.4758, 106.8833**, and the grayscale version is **58.4826, 61.5282, 67.0042**.

A 20% lighter version of the original color is **87.7001, 90.6475, 89.9652**, and **34.9153, 29.8281, 22.9859** is the 20% darker color. If you saturate the color by 10%, you get **60.0440, 49.8653, 35.9524**, and if you desaturate by 10%, it is **74.6534, 70.9345, 65.9460**.

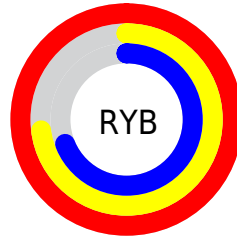
# Distribution



Red (100%)

Green (73%)

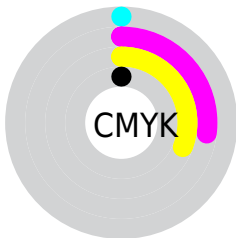
Blue (69%)



Red (100%)

Yellow (73%)

Blue (69%)

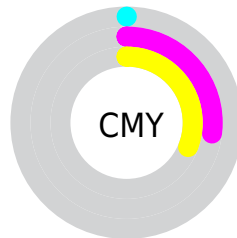


Cyan (0%)

Magenta (27%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7347, 59.5521, 49.5724 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 66.7347, 59.5521, 49.5724 by changing the saturation by 10% instead.



66.7347, 59.5521,  
49.5724

66.7347, 59.5521,  
49.5724

438.4472,  
422.9449, 401.6785

49.1390, 43.0577,  
34.7050

113.5921,  
104.1797, 90.9308

34.9447, 29.9304,  
23.1540

143.5844,  
133.0816, 118.2588

23.7866, 19.7858,  
14.5009

178.4397,  
166.8882, 150.5774

15.2993, 12.2394,  
8.3271

218.5232,  
205.9839, 188.3052

9.1174, 6.9069,  
4.2142

264.2004,  
250.7530, 231.8606

4.8755, 3.4040,  
1.7436

315.8365,

2.2084, 1.3461,

301.5799, 281.6623

0.3903

373.7970,  
358.8491, 338.1287

0.7472, 0.1765,  
0.0000

0.0000, 0.0000,  
0.0000

66.7347, 59.5521,  
49.5724

66.7347, 59.5521,  
49.5724

60.0440, 49.8653,  
35.9524

74.6534, 70.9345,  
65.9460

54.5153, 41.7850,  
24.9312

83.8529, 84.0797,  
85.2093

50.0829, 35.2265,  
16.3440

94.3882, 99.0610,  
107.4938

46.6731, 30.0941,  
10.0057

95.0500, 100.0000,  
108.9000

■ 44.2025, 26.2809,  
5.7045

■ 42.5744, 23.6649,  
3.1881

■ 41.6902, 22.1604,  
2.0801

# Harmonies

## Analogous

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



68.5637, 59.5521, 64.1412



66.7347, 59.5521, 49.5724



62.1654, 59.5521, 40.5737

# Triad

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



66.7347, 59.5521, 49.5724



47.3332, 59.5521, 50.5980



56.8485, 59.5521, 102.5191

# Complementary

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



66.7347, 59.5521, 49.5724



69.1361, 82.4758, 106.8833

# 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.



51.3817, 59.5521, 97.2542



66.7347, 59.5521, 49.5724



46.1202, 59.5521, 65.5481

# Square

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



66.7347, 59.5521, 49.5724



50.9839, 59.5521, 41.0905



47.5515, 59.5521, 82.9638



62.6194, 59.5521, 96.3354



# Rectangle

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



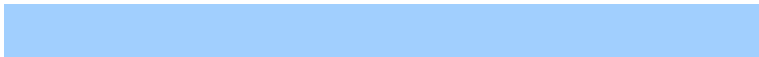
66.7347, 59.5521, 49.5724



58.3236, 59.5521, 38.0090



47.5515, 59.5521, 82.9638



54.9156, 59.5521, 102.0240

# Sweetspot

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



66.7362, 59.5549, 49.5736



85.4350, 86.3338, 88.5424



73.7818, 59.4326, 95.7406



17.9760, 18.0365, 18.2973



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.



66.7362, 59.5549, 49.5736



62.3078, 53.1521, 40.5320



75.7780, 77.6386, 52.5875



18.1782, 18.3246, 18.7232



21.8372, 11.6857, 1.1046



2.1780, 1.2414, 0.1248



# Inverse Universe

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



69.1361, 82.4758, 106.8833



65.0605, 79.5267, 106.5289



58.7867, 61.7770, 103.4335



18.3653, 20.1022, 23.1621



23.6512, 32.2119, 54.4056



2.3515, 3.2336, 5.3135



# Previews

## White Background



This preview shows how the XYZ color 66.7347, 59.5521, 49.5724 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

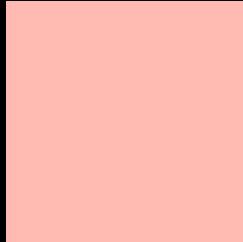
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.7347, 59.5521, 49.5724 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 66.7347, 59.5521, 49.5724

## Background



This preview shows how black text looks on a background with the XYZ color 66.7347, 59.5521, 49.5724.



This preview shows how white text looks on a background with the XYZ color 66.7347, 59.5521,

49.5724.

# 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

66.7347, 59.5521, 49.5724

### Protanopia

56.8474, 59.6351, 54.9689

### Deuteranopia

61.0821, 59.8986, 48.8997



## Tritanopia

68.4585, 59.5722, 60.7138

# Trichromacy



## Original Color

66.7347, 59.5521, 49.5724

## Protanomaly

59.9657, 59.2296, 53.0717

## Deuteranomaly

62.9617, 59.5346, 49.2472

## Tritanomaly

67.8832, 59.6756, 56.6559

# Monochromacy



## Original Color

66.7347, 59.5521, 49.5724

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

61.0142, 60.6343, 60.1175

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.7347, 59.5521, 49.5724 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, 186, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 177)  
}
```

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, 186, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 66.7347, 59.5521, 49.5724 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, 186, 177) }
```



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

```
.border{ border-color:rgb(255, 186, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 186, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.7347, 59.5521, 49.5724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 177) }
```

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

```
.background{ background-color: rgb(255,  
186, 177) }
```

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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