

# Converting Colors

XYZ(71.6130, 60.9652, 49.1644)

Have a look what the booklet for  
XYZ(71.6130, 60.9652, 49.1644)  
contains.

<b>XYZ(65.8044, 57.8505, 48.7723)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(65.8044, 57.8505,  
48.7723)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB6B0
RGB	255, 182, 176
RGB Percent	100%, 71%, 69%
CMY	0.0000, 0.2862, 0.3098
CMYK	0.00, 0.29, 0.31, 0.00
HSL	5°, 100%, 85%
HSV	5°, 31%, 100%
XYZ	65.8044, 57.8505, 48.7723
YIQ	203.1430, 45.4340, 13.6100

# Conversions

## Conversions Part 2

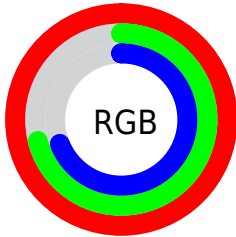
Format	Color
R <sub>Y</sub> B	255, 182, 176
Decimal	16758448
CIE Lab	80.66, 25.71, 13.62
CIE LCh	81, 29.092, 27.917
Yxy	57.8505, 0.3816, 0.3355
Android (android.graphics.Color)	4294948528 (0xFFFFB6B0)
YUV	203.1430, -13.3815, 45.4786
Hunter-Lab	76.0595, 21.3287, 15.2226

# Details

The XYZ color **65.8044, 57.8505, 48.7723** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.8289, 84.1984, 107.1793**, and the grayscale version is **56.9173, 59.8815, 65.2109**.

A 20% lighter version of the original color is **86.3800, 88.2353, 88.8223**, and **34.5143, 29.0261, 22.8523** is the 20% darker color. If you saturate the color by 10%, you get **59.0884, 48.0840, 35.2331**, and if you desaturate by 10%, it is **73.8092, 69.4356, 65.0803**.

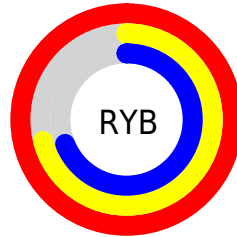
# Distribution



Red (100%)

Green (71%)

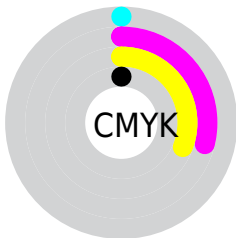
Blue (69%)



Red (100%)

Yellow (71%)

Blue (69%)

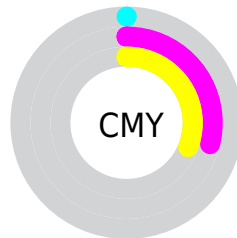


Cyan (0%)

Magenta (29%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8044, 57.8505, 48.7723 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 65.8044, 57.8505, 48.7723 by changing the saturation by 10% instead.





 65.8044, 57.8505,  
48.7723

 65.8044, 57.8505,  
48.7723


435.1767,  
416.6286, 398.4419

 48.3808, 41.6885,  
34.0746


 112.2648,  
101.7051, 89.7307

 34.3410, 28.8574,  
22.6731

142.0323,  
130.1665, 116.8284

 23.3198, 18.9730,  
14.1493


176.6452,  
163.4965, 148.8965

 14.9518, 11.6508,  
8.0846

216.4687,  
202.0794, 186.3535

 8.8717, 6.5063,  
4.0606

261.8682,  
246.2997, 229.6180

 4.7140, 3.1553,  
1.6586

313.2092,

 2.1135, 1.2134,

296.5417, 279.1086

0.3322

370.8569,  
353.1899, 335.2437

■ 0.6965, 0.0726,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.8044, 57.8505,  
48.7723

■ 65.8044, 57.8505,  
48.7723

■ 59.0884, 48.0840,  
35.2331

■ 73.8092, 69.4356,  
65.0803

■ 53.5895, 40.0361,  
24.3058

■ 83.1605, 82.9166,  
84.2955

■ 49.2358, 33.6097,  
15.8228

■ 93.9182, 98.3759,  
106.5510

■ 45.9461, 28.6946,  
9.5958

■ 95.0500, 100.0000,  
108.9000

■ 43.6285, 25.1668,  
5.4091

■ 42.1751, 22.8828,  
3.0046

■ 41.4794, 21.7389,  
2.0098

# Harmonies

## Analogous

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



67.3183, 57.8505, 64.1961



65.8044, 57.8505, 48.7723



61.3331, 57.8505, 38.9691

# Triad

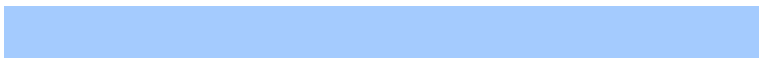
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8044, 57.8505, 48.7723



45.7916, 57.8505, 47.0419



54.5675, 57.8505, 102.0422

# Complementary

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



65.8044, 57.8505, 48.7723



69.8289, 84.1984, 107.1793

# 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.



49.0911, 57.8505, 95.2782



65.8044, 57.8505, 48.7723



44.2586, 57.8505, 61.7978

# Square

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



65.8044, 57.8505, 48.7723



49.7666, 57.8505, 38.1049



45.4220, 57.8505, 79.7312



60.5564, 57.8505, 96.8670



# Rectangle

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



65.8044, 57.8505, 48.7723



57.4318, 57.8505, 35.9247



45.4220, 57.8505, 79.7312



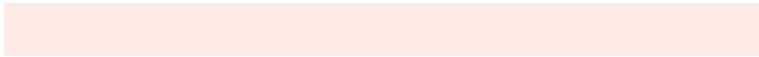
52.6090, 57.8505, 101.0673

# Sweetspot

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



65.8059, 57.8532, 48.7735



85.1770, 85.8178, 88.4564



73.9791, 59.1966, 97.7504



17.9130, 17.9106, 18.2763



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.



65.8059, 57.8532, 48.7735



61.6120, 51.7605, 40.3001



74.8717, 75.9847, 51.7954



18.1203, 18.2087, 18.7039



21.7132, 11.4376, 1.0633



2.1507, 1.1868, 0.1157



# Inverse Universe

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



69.8289, 84.1984, 107.1793



66.1920, 81.7898, 106.9061



59.0592, 62.6591, 103.5894



18.4298, 20.2311, 23.1836



25.0968, 35.1032, 54.8874

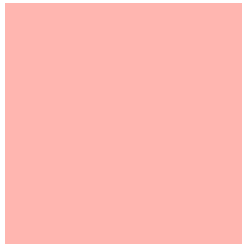


2.4773, 3.4854, 5.3554



# Previews

## White Background



This preview shows how the XYZ color 65.8044, 57.8505, 48.7723 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

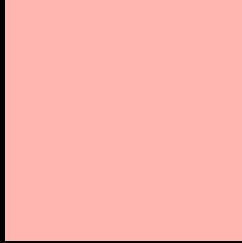
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.8044, 57.8505, 48.7723 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

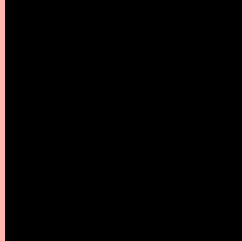
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 65.8044, 57.8505, 48.7723**

## **Background**



This preview shows how black text looks on a background with the XYZ color 65.8044, 57.8505, 48.7723.



This preview shows how white text looks on a background with the XYZ color 65.8044, 57.8505,

48.7723.

# 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

65.8044, 57.8505, 48.7723

### Protanopia

55.4237, 58.2212, 54.2156

### Deuteranopia

59.0230, 57.8539, 48.1005



## Tritanopia

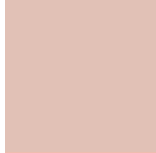
67.1869, 57.7528, 58.0583

# Trichromacy



## Original Color

65.8044, 57.8505, 48.7723



## Protanomaly

58.5648, 57.5249, 52.2727



## Deuteranomaly

61.1954, 57.6675, 48.4630



## Tritanomaly

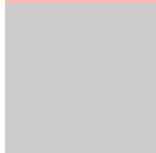
66.7335, 57.8956, 54.6714

# Monochromacy



## Original Color

65.8044, 57.8505, 48.7723



## Achromatopsia

56.7640, 59.7202, 65.0353



## Achromatomaly

59.2649, 58.4101, 58.6027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8044, 57.8505, 48.7723 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, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 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, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8044, 57.8505, 48.7723 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, 182, 176) }
```



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

```
.border{ border-color:rgb(255, 182, 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, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8044, 57.8505, 48.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 182, 176) }
```

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

```
.background{ background-color: rgb(255,  
182, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor