

# Converting Colors

XYZ(67.9564, 60.4866, 54.6314)

Have a look what the booklet for  
XYZ(67.9564, 60.4866, 54.6314)  
contains.

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# Color

**XYZ(67.8733, 60.3458,  
54.5250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBBBA
RGB	255, 187, 186
RGB Percent	100%, 73%, 73%
CMY	0.0000, 0.2666, 0.2706
CMYK	0.00, 0.27, 0.27, 0.00
HSL	1°, 100%, 86%
HSV	1°, 27%, 100%
XYZ	67.8733, 60.3458, 54.5250
YIQ	207.2180, 40.8490, 14.1050

# Conversions

## Conversions Part 2

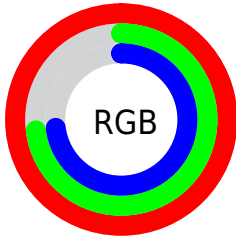
Format	Color
R <sub>Y</sub> B	255, 187, 186
Decimal	16759738
CIE Lab	82.03, 24.39, 10.19
CIE LCh	82, 26.431, 22.674
Yxy	60.3458, 0.3714, 0.3302
Android (android.graphics.Color)	4294949818 (0xFFFFBBBA)
YUV	207.2180, -10.4605, 41.9048
Hunter-Lab	77.6826, 20.0157, 12.7624

# Details

The XYZ color **67.8733, 60.3458, 54.5250** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **73.7403, 88.5399, 107.8111**, and the grayscale version is **59.4968, 62.5953, 68.1663**.

A 20% lighter version of the original color is **89.3176, 91.7720, 97.0106**, and **35.6471, 30.3388, 26.1675** is the 20% darker color. If you saturate the color by 10%, you get **60.5279, 49.6132, 39.8743**, and if you desaturate by 10%, it is **76.6381, 73.1428, 72.0368**.

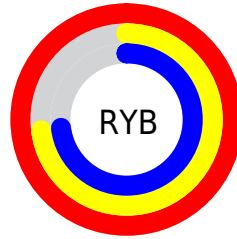
# Distribution



Red (100%)

Green (73%)

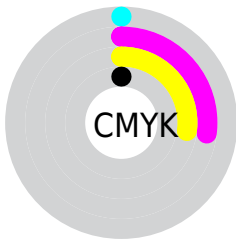
Blue (73%)



Red (100%)

Yellow (73%)

Blue (73%)

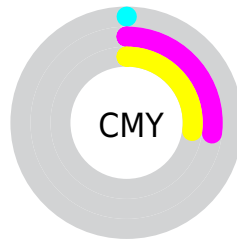


Cyan (0%)

Magenta (27%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (27%)

Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8733, 60.3458, 54.5250 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 67.8733, 60.3458, 54.5250 by changing the saturation by 10% instead.





 67.8733, 60.3458,  
54.5250

 67.8733, 60.3458,  
54.5250


442.4307,  
425.8712, 421.3399

 50.0680, 43.6974,  
38.6255


 115.2138,  
105.3311, 98.3088

 35.6854, 30.4327,  
26.1629


145.4796,  
134.4369, 127.0302

 24.3603, 20.1673,  
16.7187


180.6297,  
168.4639, 160.8627

 15.7273, 12.5167,  
9.8743

221.0293,  
207.7965, 200.2248

 9.4210, 7.0966,  
5.2112

267.0439,  
252.8191, 245.5350

 5.0761, 3.5226,  
2.3108


319.0388,


 2.3272, 1.4103,


303.9162, 297.2119


0.7373


377.3793,  
361.4721, 355.6740


 0.8085, 0.2243,  
0.0000


 0.0000, 0.0000,  
0.0000


 67.8733, 60.3458,  
54.5250


 67.8733, 60.3458,  
54.5250

 60.5279, 49.6132,  
39.8743


 76.6381, 73.1428,  
72.0368

 54.5233, 40.8293,  
27.9294

 86.8868, 88.0956,  
92.5466

 49.7798, 33.8797,  
18.5257

95.0500, 100.0000,  
108.9000

 46.2075, 28.6345,  
11.4794

■ 43.7047, 24.9470,  
6.5820

■ 42.1525, 22.6458,  
3.5883

■ 41.4020, 21.5182,  
2.1867

■ 41.2803, 21.3406,  
1.9434

# Harmonies

## Analogous

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



68.7091, 60.3458, 69.7164



67.8733, 60.3458, 54.5250



64.1344, 60.3458, 44.1148

# Triad

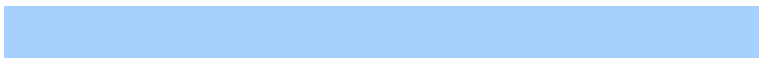
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8733, 60.3458, 54.5250



49.2161, 60.3458, 48.7306



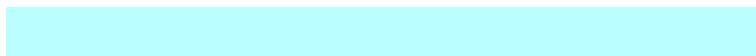
55.9951, 60.3458, 101.2698

# Complementary

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



67.8733, 60.3458, 54.5250



73.7403, 88.5399, 107.8111

# 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.



51.0745, 60.3458, 93.3948



67.8733, 60.3458, 54.5250



47.3295, 60.3458, 61.8530

# Square

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



67.8733, 60.3458, 54.5250



53.3068, 60.3458, 41.1687



47.9870, 60.3458, 78.3204



61.6070, 60.3458, 98.4532



# Rectangle

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



67.8733, 60.3458, 54.5250



60.6226, 60.3458, 40.4527



47.9870, 60.3458, 78.3204



54.2105, 60.3458, 99.7468

# Sweetspot

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



67.8747, 60.3485, 54.5262



85.8565, 86.5928, 90.4836



76.8492, 63.5984, 102.8331



18.0306, 18.0294, 18.6740



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.



67.8747, 60.3485, 54.5262



64.0716, 54.7926, 46.9375



75.8279, 76.2549, 57.1773



18.0306, 18.0294, 18.6740



21.5790, 11.1693, 1.0185

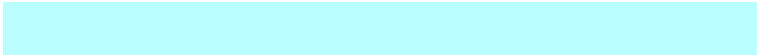


2.1082, 1.1018, 0.1015



# Inverse Universe

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



73.7403, 88.5399, 107.8111



70.7542, 86.9141, 107.6547



64.0249, 69.1089, 104.5726



18.5309, 20.4334, 23.2173



27.5142, 39.9380, 55.6932



2.6860, 3.9026, 5.4250



# Previews

## White Background



This preview shows how the XYZ color 67.8733, 60.3458, 54.5250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

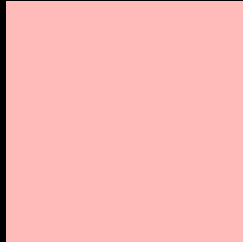
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.8733, 60.3458, 54.5250 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 67.8733, 60.3458, 54.5250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.8733, 60.3458, 54.5250.



This preview shows how white text looks on a background with the XYZ color 67.8733, 60.3458,

54.5250.

# 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

67.8733, 60.3458, 54.5250

### Protanopia

58.0215, 60.8275, 60.3126

### Deuteranopia

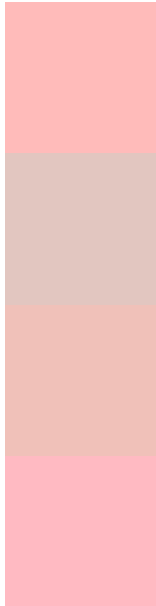
61.5730, 60.3821, 53.7571



## Tritanopia

69.1077, 60.5013, 62.0684

# Trichromacy



**Original Color**

67.8733, 60.3458, 54.5250

**Protanomaly**

61.0725, 60.3627, 58.3015

**Deuteranomaly**

63.7621, 60.1680, 54.1519

**Tritanomaly**

68.5365, 60.2729, 59.0605

# Monochromacy



**Original Color**

67.8733, 60.3458, 54.5250

**Achromatopsia**

59.3074, 62.3960, 67.9493

**Achromatomaly**

61.7035, 61.2794, 62.6088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8733, 60.3458, 54.5250 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, 187, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 186)  
}
```

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, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8733, 60.3458, 54.5250 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".

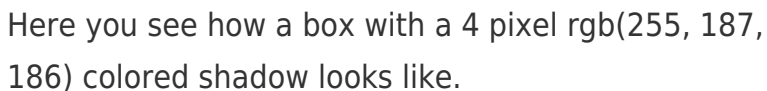
```
.border, #border, table{ border:4px solid rgb(255, 187, 186) }
```



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

```
.border{ border-color:rgb(255, 187, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 187, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 187, 186); box-shadow:4px 4px 4px 4px rgb(255, 187, 186) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8733, 60.3458, 54.5250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 186) }
```

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

```
.background{ background-color: rgb(255,  
187, 186) }
```

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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