

# Converting Colors

XYZ(82.5652, 66.3422, 57.3948)

Have a look what the booklet for  
XYZ(82.5652, 66.3422, 57.3948)  
contains.

<b>XYZ(67.2622, 58.4336, 56.4489)</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(67.2622, 58.4336,  
56.4489)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFB6BE
RGB	255, 182, 190
RGB Percent	100%, 71%, 75%
CMY	0.0000, 0.2862, 0.2549
CMYK	0.00, 0.29, 0.25, 0.00
HSL	353°, 100%, 86%
HSV	353°, 29%, 100%
XYZ	67.2622, 58.4336, 56.4489
YIQ	204.7390, 40.9400, 17.9640

# Conversions

## Conversions Part 2

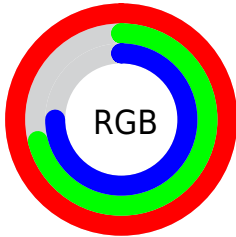
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 182, 190
Decimal	16758462
CIE Lab	80.98, 27.55, 6.54
CIE LCh	81, 28.319, 13.348
Yxy	58.4336, 0.3693, 0.3208
Android (android.graphics.Color)	4294948542 (0xFFFFB6BE)
YUV	204.7390, -7.2663, 44.0789
Hunter-Lab	76.4419, 23.2912, 9.7263

# Details

The XYZ color **67.2622, 58.4336, 56.4489** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.8422, 88.1816, 101.2341**, and the grayscale version is **57.8903, 60.9051, 66.3256**.

A 20% lighter version of the original color is **88.4491, 89.0629, 99.7179**, and **35.2605, 29.1148, 27.4282** is the 20% darker color. If you saturate the color by 10%, you get **60.2159, 48.0082, 42.7948**, and if you desaturate by 10%, it is **75.6489, 70.9207, 72.4588**.

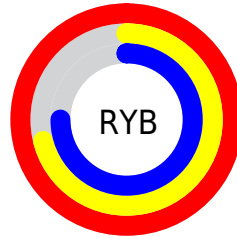
# Distribution



Red (100%)

Green (71%)

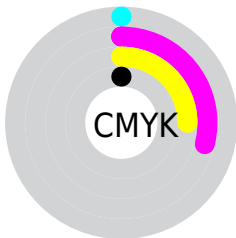
Blue (75%)



Red (100%)

Yellow (71%)

Blue (75%)

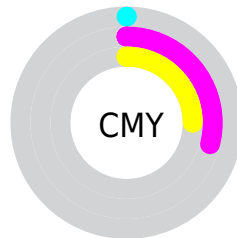


Cyan (0%)

Magenta (29%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (29%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2622, 58.4336, 56.4489 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 67.2622, 58.4336, 56.4489 by changing the saturation by 10% instead.





 67.2622, 58.4336,  
56.4489

 67.2622, 58.4336,  
56.4489


440.2953,  
418.7997, 428.8168

 49.5692, 42.1573,  
40.1565


 114.3438,  
102.5540, 101.1529

 35.2876, 29.2245,  
27.3459


144.4631,  
131.1669, 130.4017

 24.0521, 19.2507,  
17.5984


179.4552,  
164.6609, 164.8064

 15.4972, 11.8516,  
10.4956

219.6854,  
203.4203, 204.7854

 9.2576, 6.6427,  
5.6189

265.5192,  
247.8294, 250.7575

 4.9681, 3.2397,  
2.5498

317.3219,

 2.2631, 1.2581,

298.2728, 303.1410

0.8664

375.4588,  
355.1347, 362.3546

■ 0.7757, 0.1084,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.2622, 58.4336,  
56.4489

■ 67.2622, 58.4336,  
56.4489

■ 60.2159, 48.0082,  
42.7948

■ 75.6489, 70.9207,  
72.4588

■ 54.4362, 39.5259,  
31.3817

■ 85.4362, 85.5636,  
90.9247

■ 49.8487, 32.8688,  
22.0905

95.0500, 100.0000,  
108.9000

■ 46.3696, 27.9024,  
14.7896

■ 43.9036, 24.4740,  
9.3327

■ 42.3397, 22.4031,  
5.5531

■ 41.5261, 21.4353,  
3.2487

■ 41.4488, 21.3435,  
3.0293

# Harmonies

## Analogous

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



67.0710, 58.4336, 73.3448



67.2622, 58.4336, 56.4489



64.1589, 58.4336, 43.9135

# Triad

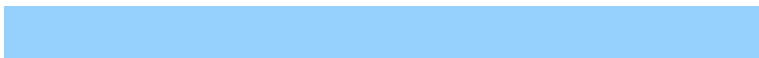
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.2622, 58.4336, 56.4489



48.1458, 58.4336, 42.8922



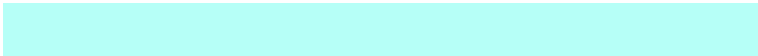
52.3672, 58.4336, 99.8937

# Complementary

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



67.2622, 58.4336, 56.4489



71.8422, 88.1816, 101.2341

# 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.



47.7286, 58.4336, 88.4947



67.2622, 58.4336, 56.4489



45.4116, 58.4336, 54.8029

# Square

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



67.2622, 58.4336, 56.4489



52.9739, 58.4336, 37.0686



45.2645, 58.4336, 71.3833



58.1864, 58.4336, 100.5468



# Rectangle

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



67.2622, 58.4336, 56.4489



60.7582, 58.4336, 38.8843



45.2645, 58.4336, 71.3833



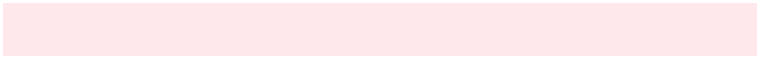
50.6283, 58.4336, 97.1113

# Sweetspot

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



67.2637, 58.4363, 56.4501



85.0431, 84.9743, 90.1866



72.9553, 60.3590, 102.4130



17.8805, 17.7051, 18.6980



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.



67.2637, 58.4363, 56.4501



63.3135, 52.5823, 48.8247



72.7276, 70.7246, 54.0775



18.0902, 18.0194, 19.0923



21.6837, 11.1628, 1.7187



2.1364, 1.0969, 0.2996



# Inverse Universe

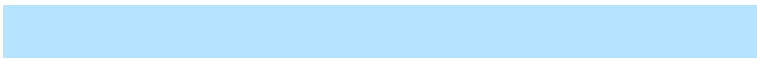
The Inverse Universe completely reimagines the original color for something new.



67.2637, 58.4363, 56.4501



63.3135, 52.5823, 48.8247



64.8172, 72.1145, 105.1110



18.0902, 18.0194, 19.0923



21.6837, 11.1628, 1.7187



2.1364, 1.0969, 0.2996



# Previews

## White Background



This preview shows how the XYZ color 67.2622, 58.4336, 56.4489 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 67.2622, 58.4336, 56.4489 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 67.2622, 58.4336, 56.4489**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.2622, 58.4336, 56.4489.



This preview shows how white text looks on a background with the XYZ color 67.2622, 58.4336,



# 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

67.2622, 58.4336, 56.4489

### Protanopia

56.2564, 58.4578, 62.9620

### Deuteranopia

59.7329, 58.3832, 55.6978



## Tritanopia

67.6142, 58.2479, 59.3091

# Trichromacy



## Original Color

67.2622, 58.4336, 56.4489

## Protanomaly

59.4652, 57.8134, 60.2495

## Deuteranomaly

62.5238, 58.5056, 56.1415

## Tritanomaly

67.3895, 58.1580, 58.1259

# Monochromacy



## Original Color

67.2622, 58.4336, 56.4489

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

60.8230, 59.7906, 62.9786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.2622, 58.4336, 56.4489 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 182, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 182, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 67.2622, 58.4336, 56.4489 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, 190) }
```



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

```
.border{ border-color:rgb(255, 182, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 182, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 182, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 182,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.2622, 58.4336, 56.4489 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, 190) }
```

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

```
.background{ background-color: rgb(255,  
182, 190) }
```

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