

# Converting Colors

XYZ(58.2431, 48.7052, 39.3970)

Have a look what the booklet for  
XYZ(58.2431, 48.7052, 39.3970)  
contains.

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# Color

**XYZ(58.1538, 48.6889,  
39.5906)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8A3A0
RGB	248, 163, 160
RGB Percent	97%, 64%, 63%
CMY	0.0275, 0.3608, 0.3725
CMYK	0.00, 0.34, 0.35, 0.03
HSL	2°, 86%, 80%
HSV	2°, 35%, 97%
XYZ	58.1538, 48.6889, 39.5906
YIQ	188.0730, 51.6230, 17.0870

# Conversions

## Conversions Part 2

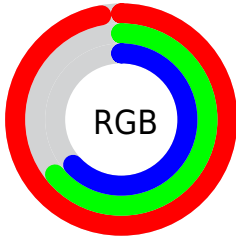
Format	Color
R <sub>YB</sub>	248, 163, 160
Decimal	16294816
CIE Lab	75.26, 31.12, 14.59
CIE LCh	75, 34.373, 25.119
Yxy	48.6889, 0.3971, 0.3325
Android (android.graphics.Color)	4294484896 (0xFFF8A3A0)
YUV	188.0730, -13.8400, 52.5560
Hunter-Lab	69.7774, 26.6547, 15.2040

# Details

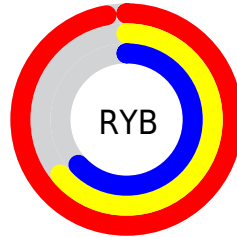
The XYZ color **58.1538, 48.6889, 39.5906** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **64.0917, 79.5529, 100.7844**, and the grayscale version is **47.8982, 50.3926, 54.8776**.

A 20% lighter version of the original color is **78.8373, 76.8293, 74.9644**, and **29.3225, 23.0748, 17.3764** is the 20% darker color. If you saturate the color by 10%, you get **52.3392, 40.1921, 27.9953**, and if you desaturate by 10%, it is **65.2092, 58.9744, 53.7354**.

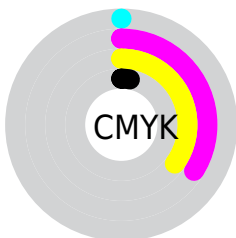
# Distribution



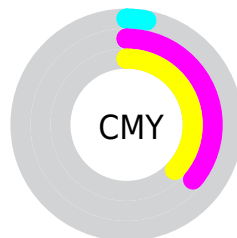
- Red (97%)
- Green (64%)
- Blue (63%)



- Red (97%)
- Yellow (64%)
- Blue (63%)



- Cyan (0%)
- Magenta (34%)
- Yellow (35%)
- Black (3%)



- Cyan (3%)
- Magenta (36%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1538, 48.6889, 39.5906 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 58.1538, 48.6889, 39.5906 by changing the saturation by 10% instead.





 58.1538, 48.6889,  
39.5906


 58.1538, 48.6889,  
39.5906


407.7034,  
381.5163, 359.8956

 42.1760, 34.3728,  
26.9081


 101.2685, 88.2292,  
75.7699

 29.4309, 23.1801,  
17.2724

 129.1361,  
114.2222, 100.1039

 19.5529, 14.7266,  
10.2649


161.6977,  
144.8762, 129.1588

 12.1769, 8.6277,  
5.4670

199.3187,  
180.5758, 163.3531

 6.9373, 4.4992,  
2.4603

242.3644,  
221.7051, 203.1054

 3.4689, 1.9565,  
0.8190

291.2002,

 1.4063, 0.5820,

268.6487, 248.8342

0.0000

346.1914,  
321.7910, 300.9581

■ 0.2607, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.1538, 48.6889,  
39.5906

■ 58.1538, 48.6889,  
39.5906

■ 52.3392, 40.1921,  
27.9953

■ 65.2092, 58.9744,  
53.7354

■ 47.6900, 33.3754,  
18.7952

■ 73.5673, 71.1349,  
70.5657

■ 44.1288, 28.1293,  
11.8238

■ 83.2904, 85.2599,  
90.2115

■ 41.5671, 24.3287,  
6.8919

■ 92.5215, 98.6965,  
108.7817

■ 39.9026, 21.8292,  
3.7795

■ 39.0108, 20.4567,  
2.2152

■ 38.8034, 20.1403,  
1.8423

# Harmonies

## Analogous

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



59.4481, 48.6889, 56.0257



58.1538, 48.6889, 39.5906



53.5677, 48.6889, 29.3146

# Triad

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



58.1538, 48.6889, 39.5906



37.0216, 48.6889, 35.5233



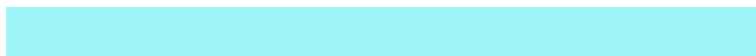
45.2527, 48.6889, 95.7144

# Complementary

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



58.1538, 48.6889, 39.5906



64.0917, 79.5529, 100.7844

# 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.



39.6804, 48.6889, 86.9291



58.1538, 48.6889, 39.5906



35.2115, 48.6889, 50.1121

# Square

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



58.1538, 48.6889, 39.5906



41.3162, 48.6889, 27.3676



36.1391, 48.6889, 69.1727



51.6206, 48.6889, 91.1054



# Rectangle

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



58.1538, 48.6889, 39.5906



49.4634, 48.6889, 26.0256



36.1391, 48.6889, 69.1727



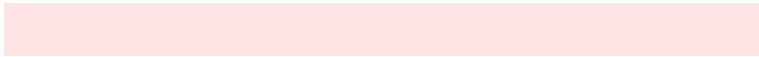
43.2311, 48.6889, 94.1816

# Sweetspot

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



58.1551, 48.6913, 39.5916



82.8163, 82.2394, 84.1458



67.7742, 51.6952, 92.8459



17.4303, 17.1729, 17.4133



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.



58.1551, 48.6913, 39.5916



57.1403, 44.8399, 32.5731



67.3536, 67.0883, 42.6577



17.2921, 17.3201, 17.8941



20.9819, 10.9204, 1.0020



1.9595, 1.0438, 0.0982



# Inverse Universe

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



64.0917, 79.5529, 100.7844



64.3659, 82.4257, 107.1251



52.3432, 56.0558, 96.8682



17.7120, 19.5009, 22.2158



25.9332, 37.2220, 53.7913



2.4173, 3.4783, 4.9872



# Previews

## White Background



This preview shows how the XYZ color 58.1538, 48.6889, 39.5906 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

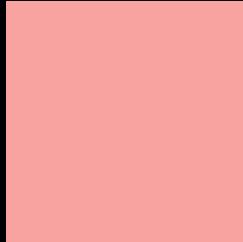
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.1538, 48.6889, 39.5906 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 58.1538, 48.6889, 39.5906**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.1538, 48.6889, 39.5906.



This preview shows how white text looks on a background with the XYZ color 58.1538, 48.6889,

39.5906.

# 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

58.1538, 48.6889, 39.5906

### Protanopia

46.4379, 48.8447, 45.5085

### Deuteranopia

49.9375, 48.9707, 38.7186



## Tritanopia

59.3546, 48.6466, 45.7966

# Trichromacy



## Original Color

58.1538, 48.6889, 39.5906



## Protanomaly

49.8486, 48.2314, 43.2415



## Deuteranomaly

52.4792, 48.5245, 38.9480



## Tritanomaly

59.0551, 48.8076, 43.3540

# Monochromacy



## Original Color

58.1538, 48.6889, 39.5906



## Achromatopsia

47.7994, 50.2886, 54.7643



## Achromatomaly

50.7343, 49.1562, 48.9336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.1538, 48.6889, 39.5906 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(248, 163, 160)` looks like.

```
.text, #text, p{  
    color:rgb(248, 163, 160)  
}
```

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(248, 163, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 163, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 58.1538, 48.6889, 39.5906 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(248, 163, 160) }
```



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

```
.border{ border-color:rgb(248, 163, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 163, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 163, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 163, 160); box-shadow:4px 4px 4px 4px rgb(248, 163, 160) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.1538, 48.6889, 39.5906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 163, 160) }
```

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

```
.background{ background-color: rgb(248,  
163, 160) }
```

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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