

# Converting Colors

XYZ(58.5200, 49.1812, 48.7917)

Have a look what the booklet for  
XYZ(58.5200, 49.1812, 48.7917)  
contains.

<b>XYZ(58.5540, 49.2196, 49.0620)</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(58.5540, 49.2196,  
49.0620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3A5B3
RGB	243, 165, 179
RGB Percent	95%, 65%, 70%
CMY	0.0471, 0.3529, 0.2980
CMYK	0.00, 0.32, 0.26, 0.05
HSL	349°, 76%, 80%
HSV	349°, 32%, 95%
XYZ	58.5540, 49.2196, 49.0620
YIQ	189.9180, 41.9940, 20.8900

# Conversions

## Conversions Part 2

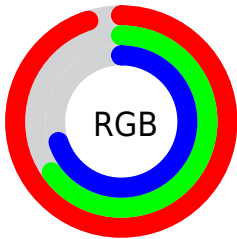
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 165, 179
Decimal	15967667
CIE <sub>Lab</sub>	75.59, 30.67, 4.58
CIE <sub>LCh</sub>	76, 31.010, 8.495
Yxy	49.2196, 0.3733, 0.3138
Android (android.graphics.Color)	4294157747 (0xFFFF3A5B3)
YUV	189.9180, -5.3826, 46.5529
Hunter-Lab	70.1567, 26.2050, 7.6470

# Details

The XYZ color **58.5540, 49.2196, 49.0620** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **61.7127, 77.7589, 85.8891**, and the grayscale version is **48.9106, 51.4577, 56.0375**.

A 20% lighter version of the original color is **82.0918, 78.9711, 89.5135**, and **29.5676, 23.4090, 22.6987** is the 20% darker color. If you saturate the color by 10%, you get **52.7073, 40.5233, 37.8726**, and if you desaturate by 10%, it is **65.5278, 59.7026, 62.0669**.

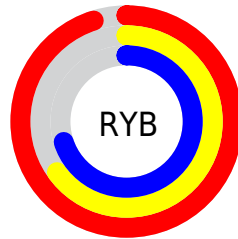
# Distribution



Red (95%)

Green (65%)

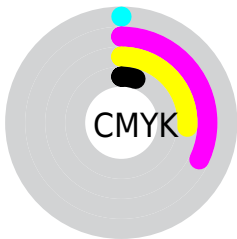
Blue (70%)



Red (95%)

Yellow (65%)

Blue (70%)

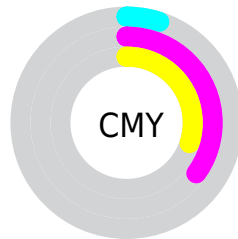


Cyan (0%)

Magenta (32%)

Yellow (26%)

Black (5%)



Cyan (5%)

Magenta (35%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5540, 49.2196, 49.0620 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 58.5540, 49.2196, 49.0620 by changing the saturation by 10% instead.




 58.5540, 49.2196,  
49.0620


 58.5540, 49.2196,  
49.0620


409.1678,  
383.6062, 399.6158

 42.4992, 34.7937,  
34.3027


 101.8475, 89.0175,  
90.1655

 29.6852, 23.5040,  
22.8470

 129.8169,  
115.1583, 117.3467

 19.7466, 14.9661,  
14.2763


162.4886,  
145.9729, 149.5057

 12.3182, 8.7956,  
8.1722

200.2278,  
181.8457, 187.0610

 7.0345, 4.6081,  
4.1160

243.4000,  
223.1610, 230.4312

 3.5302, 2.0192,  
1.6892

292.3705,

 1.4400, 0.6186,

270.3032, 280.0346

0.3533

347.5046,  
323.6569, 336.2900

■ 0.2844, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5540, 49.2196,  
49.0620

■ 58.5540, 49.2196,  
49.0620

■ 52.7073, 40.5233,  
37.8726

■ 65.5278, 59.7026,  
62.0669

■ 47.9237, 33.5070,  
28.4144

■ 73.6798, 72.0570,  
76.9605

■ 44.1394, 28.0637,  
20.6005

■ 83.0630, 86.3706,  
93.8155

■ 41.2815, 24.0711,  
14.3356

■ 90.7723, 97.7948,  
108.6998

■ 39.2670, 21.3885,  
9.5138

■ 37.9976, 19.8471,  
6.0153

■ 37.4095, 19.2337,  
4.0847

# Harmonies

## Analogous

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



57.8063, 49.2196, 66.0191



58.5540, 49.2196, 49.0620



55.9513, 49.2196, 36.2440

# Triad

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



58.5540, 49.2196, 49.0620



40.2499, 49.2196, 32.4845



42.8557, 49.2196, 88.6600

# Complementary

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



58.5540, 49.2196, 49.0620



61.7127, 77.7589, 85.8891

# 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.



38.6731, 49.2196, 75.7437



58.5540, 49.2196, 49.0620



37.2564, 49.2196, 42.8309

# Square

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



58.5540, 49.2196, 49.0620



45.1721, 49.2196, 28.0378



36.7036, 49.2196, 58.3921



48.4292, 49.2196, 91.2753



# Rectangle

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



58.5540, 49.2196, 49.0620



52.7825, 49.2196, 30.9288



36.7036, 49.2196, 58.3921



41.2540, 49.2196, 85.2686

# Sweetspot

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



58.5554, 49.2219, 49.0630



84.2600, 83.5206, 89.5790



61.8519, 49.9925, 91.1840



17.7347, 17.4196, 18.6308



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.



58.5554, 49.2219, 49.0630



60.6342, 47.9186, 45.7893



62.1039, 58.4705, 43.6129



16.6205, 16.5311, 17.7483



20.5663, 10.5700, 2.4248



1.8406, 0.9422, 0.3872



# Inverse Universe

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



58.5554, 49.2219, 49.0630



60.6342, 47.9186, 45.7893



56.8459, 64.7708, 94.3004



16.6205, 16.5311, 17.7483



20.5663, 10.5700, 2.4248



1.8406, 0.9422, 0.3872



# Previews

## White Background



This preview shows how the XYZ color 58.5540, 49.2196, 49.0620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

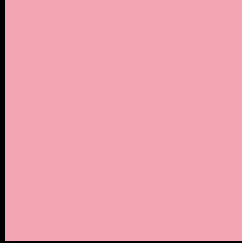
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.5540, 49.2196, 49.0620 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 58.5540, 49.2196, 49.0620**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5540, 49.2196, 49.0620.



This preview shows how white text looks on a background with the XYZ color 58.5540, 49.2196,

49.0620.

# 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

58.5540, 49.2196, 49.0620

### Protanopia

47.9491, 49.6982, 56.3557

### Deuteranopia

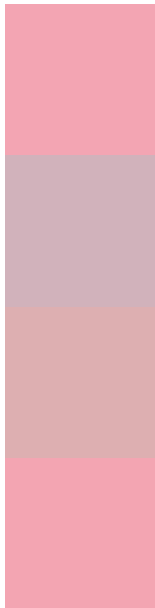
50.4522, 49.3324, 47.9373



## Tritanopia

58.4532, 49.1793, 48.5312

# Trichromacy



## Original Color

58.5540, 49.2196, 49.0620

## Protanomaly

51.1845, 48.9840, 53.7708

## Deuteranomaly

53.0846, 49.2064, 48.2949

## Tritanomaly

58.4532, 49.1793, 48.5312

# Monochromacy



## Original Color

58.5540, 49.2196, 49.0620

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

51.6813, 50.1482, 53.4101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5540, 49.2196, 49.0620 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(243, 165, 179)` looks like.

```
.text, #text, p{  
    color:rgb(243, 165, 179)  
}
```

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(243, 165, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 165, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5540, 49.2196, 49.0620 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(243, 165, 179) }
```



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

```
.border{ border-color:rgb(243, 165, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 165, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 165, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 165, 179);  
box-shadow:4px 4px 4px 4px rgb(243, 165,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5540, 49.2196, 49.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 165, 179) }
```

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

```
.background{ background-color: rgb(243,  
165, 179) }
```

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