

# Converting Colors

XYZ(57.2677, 49.4630, 49.6151)

Have a look what the booklet for  
XYZ(57.2677, 49.4630, 49.6151)  
contains.

<b>XYZ(57.1659, 49.3051, 49.6839)</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(57.1659, 49.3051,  
49.6839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDA8B4
RGB	237, 168, 180
RGB Percent	93%, 66%, 71%
CMY	0.0706, 0.3412, 0.2941
CMYK	0.00, 0.29, 0.24, 0.07
HSL	350°, 66%, 79%
HSV	350°, 29%, 93%
XYZ	57.1659, 49.3051, 49.6839
YIQ	189.9990, 37.2720, 18.3600

# Conversions

## Conversions Part 2

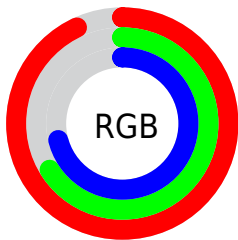
Format	Color
R <sub>Y</sub> B	237, 168, 180
Decimal	15575220
CIE Lab	75.64, 27.05, 4.03
CIE LCh	76, 27.350, 8.467
Yxy	49.3051, 0.3661, 0.3157
Android (android.graphics.Color)	4293765300 (0xFFEDA8B4)
YUV	189.9990, -4.9295, 41.2199
Hunter-Lab	70.2176, 22.4405, 7.2005

# Details

The XYZ color **57.1659, 49.3051, 49.6839** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **60.0253, 74.3306, 82.4214**, and the grayscale version is **48.9566, 51.5062, 56.0902**.

A 20% lighter version of the original color is **83.0360, 80.6274, 90.5431**, and **28.7839, 23.4971, 23.0970** is the 20% darker color. If you saturate the color by 10%, you get **51.3270, 40.5968, 38.5821**, and if you desaturate by 10%, it is **64.0867, 59.7255, 62.5375**.

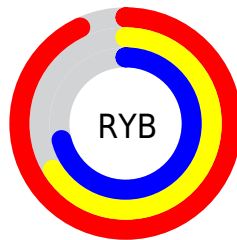
# Distribution



Red (93%)

Green (66%)

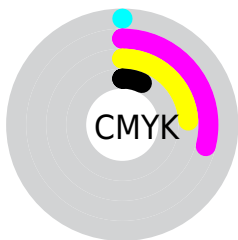
Blue (71%)



Red (93%)

Yellow (66%)

Blue (71%)

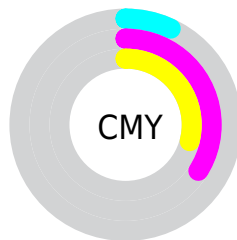


Cyan (0%)

Magenta (29%)

Yellow (24%)

Black (7%)



Cyan (7%)

Magenta (34%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1659, 49.3051, 49.6839 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 57.1659, 49.3051, 49.6839 by changing the saturation by 10% instead.





 57.1659, 49.3051,  
49.6839


 57.1659, 49.3051,  
49.6839


404.0748,  
383.9422, 402.1281

 41.3791, 34.8616,  
34.7929


 99.8372, 89.1444,  
91.0978

 28.8044, 23.5563,  
23.2211

 127.4524,  
115.3090, 118.4578

 19.0764, 15.0048,  
14.5500


159.7411,  
146.1494, 150.8112

 11.8299, 8.8227,  
8.3611

197.0687,  
182.0500, 188.5765

 6.6993, 4.6257,  
4.2358

239.8005,  
223.3952, 232.1724

 3.3194, 2.0294,  
1.7556

288.3019,

 1.3248, 0.6245,

270.5693, 282.0172

0.3984

342.9382,  
323.9569, 338.5296

■ 0.2017, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.1659, 49.3051,  
49.6839

■ 57.1659, 49.3051,  
49.6839

■ 51.3270, 40.5968,  
38.5821

■ 64.0867, 59.7255,  
62.5375

■ 46.5107, 33.5021,  
29.1529

■ 72.1365, 71.9355,  
77.2115

■ 42.6585, 27.9235,  
21.3151

■ 81.3643, 86.0164,  
93.7746

■ 39.7038, 23.7498,  
14.9796

■ 88.7352, 96.7446,  
108.6045

■ 37.5717, 20.8545,  
10.0483

■ 36.1742, 19.0884,  
6.4110

■ 35.3830, 18.2243,  
3.9329

■ 35.3290, 18.1661,  
3.7609

# Harmonies

## Analogous

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



56.5138, 49.3051, 64.5815



57.1659, 49.3051, 49.6839



54.9055, 49.3051, 38.1430

# Triad

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



57.1659, 49.3051, 49.6839



41.0647, 49.3051, 34.6813



43.3801, 49.3051, 84.0178

# Complementary

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



57.1659, 49.3051, 49.6839



60.0253, 74.3306, 82.4214

# 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.



39.6469, 49.3051, 72.9616



57.1659, 49.3051, 49.6839



38.3786, 49.3051, 44.0885

# Square

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



57.1659, 49.3051, 49.6839



45.4443, 49.3051, 30.5616



37.8790, 49.3051, 57.8951



48.3109, 49.3051, 86.2507



# Rectangle

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



57.1659, 49.3051, 49.6839



52.1407, 49.3051, 33.2562



37.8790, 49.3051, 57.8951



41.9541, 49.3051, 81.1254

# Sweetspot

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



57.1673, 49.3074, 49.6849



85.2568, 85.0598, 91.3121



60.1394, 50.0254, 86.6072



17.9327, 17.7260, 18.9729



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.



57.1673, 49.3074, 49.6849



63.1987, 51.7888, 50.5250



60.3755, 57.5958, 44.9837



15.1723, 15.0968, 16.1929



19.3214, 9.9313, 2.2281



1.5483, 0.7923, 0.3387



# Inverse Universe

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



57.1673, 49.3074, 49.6849



63.1987, 51.7888, 50.5250



55.7750, 63.1183, 89.3644



15.1723, 15.0968, 16.1929



19.3214, 9.9313, 2.2281



1.5483, 0.7923, 0.3387



# Previews

## White Background



This preview shows how the XYZ color 57.1659, 49.3051, 49.6839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

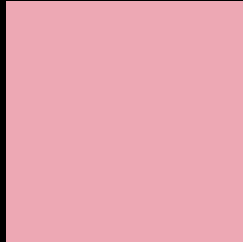
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1659, 49.3051, 49.6839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

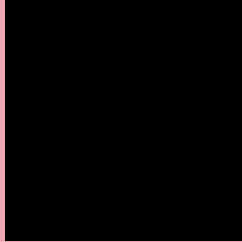
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.1659, 49.3051, 49.6839**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.1659, 49.3051, 49.6839.



This preview shows how white text looks on a background with the XYZ color 57.1659, 49.3051,

49.6839.

# 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

57.1659, 49.3051, 49.6839

### Protanopia

47.8394, 49.6543, 55.7780

### Deuteranopia

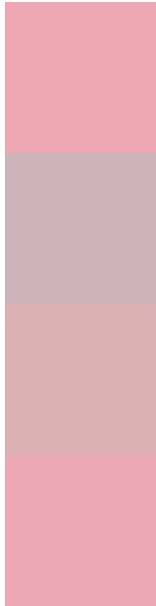
50.3696, 49.2668, 48.9742



## Tritanopia

57.2682, 49.3460, 50.2224

# Trichromacy



## Original Color

57.1659, 49.3051, 49.6839

## Protanomaly

50.4366, 48.9072, 53.2361

## Deuteranomaly

52.8754, 49.3654, 49.3895

## Tritanomaly

57.2682, 49.3460, 50.2224

# Monochromacy



## Original Color

57.1659, 49.3051, 49.6839

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

51.3230, 50.2665, 53.4518

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1659, 49.3051, 49.6839 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(237, 168, 180)` looks like.

```
.text, #text, p{  
    color:rgb(237, 168, 180)  
}
```

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(237, 168, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 168, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1659, 49.3051, 49.6839 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(237, 168, 180) }
```



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

```
.border{ border-color:rgb(237, 168, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 168, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 168, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 168, 180);  
box-shadow:4px 4px 4px 4px rgb(237, 168,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1659, 49.3051, 49.6839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 168, 180) }
```

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

```
.background{ background-color: rgb(237,  
168, 180) }
```

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