

# Converting Colors

XYZ(56.7699, 47.7889, 49.2478)

Have a look what the booklet for  
XYZ(56.7699, 47.7889, 49.2478)  
contains.

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# Color

**XYZ(56.9320, 47.8404,  
49.4135)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFA3B4
RGB	239, 163, 180
RGB Percent	94%, 64%, 71%
CMY	0.0627, 0.3608, 0.2941
CMYK	0.00, 0.32, 0.25, 0.06
HSL	347°, 70%, 79%
HSV	347°, 32%, 94%
XYZ	56.9320, 47.8404, 49.4135
YIQ	187.6620, 39.8390, 21.3990

# Conversions

## Conversions Part 2

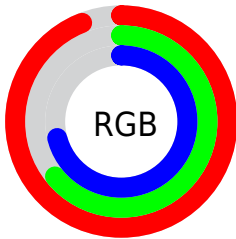
Format	Color
R <sub>Y</sub> B	239, 163, 180
Decimal	15705012
CIE Lab	74.72, 30.43, 2.73
CIE LCh	75, 30.549, 5.120
Yxy	47.8404, 0.3692, 0.3103
Android (android.graphics.Color)	4293895092 (0xFFEFA3B4)
YUV	187.6620, -3.7774, 45.0234
Hunter-Lab	69.1668, 25.8837, 6.0593

# Details

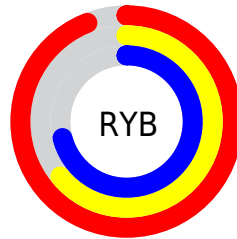
The XYZ color **56.9320, 47.8404, 49.4135** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **59.1576, 74.7946, 80.4298**, and the grayscale version is **47.6143, 50.0940, 54.5524**.

A 20% lighter version of the original color is **81.7118, 77.9792, 90.1017**, and **28.6981, 22.6293, 22.9340** is the 20% darker color. If you saturate the color by 10%, you get **51.3171, 39.4357, 38.8319**, and if you desaturate by 10%, it is **63.6045, 57.9545, 61.5971**.

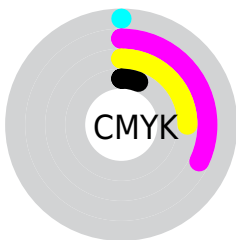
# Distribution



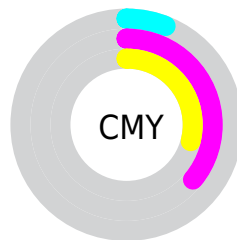
- Red (94%)
- Green (64%)
- Blue (71%)



- Red (94%)
- Yellow (64%)
- Blue (71%)



- Cyan (0%)
- Magenta (32%)
- Yellow (25%)
- Black (6%)




- Cyan (6%)
- Magenta (36%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.9320, 47.8404, 49.4135 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 56.9320, 47.8404, 49.4135 by changing the saturation by 10% instead.





 56.9320, 47.8404,  
49.4135


 56.9320, 47.8404,  
49.4135


403.2128,  
378.1592, 401.0371

 41.1906, 33.7005,  
34.5797

 99.4979, 86.9667,  
90.6926

 28.6564, 22.6636,  
23.0583


 127.0531,  
112.7220, 117.9750

 18.9640, 14.3453,  
14.4309


159.2769,  
143.1178, 150.2440

 11.7481, 8.3612,  
8.2788

196.5347,  
178.5385, 187.9182

 6.6434, 4.3270,  
4.1835

239.1918,  
219.3687, 231.4160

 3.2844, 1.8581,  
1.7266

287.6136,

 1.3059, 0.5230,

265.9925, 281.1561

0.3788

342.1655,  
318.7946, 337.5569

■ 0.1876, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.9320, 47.8404,  
49.4135

■ 56.9320, 47.8404,  
49.4135

■ 51.3171, 39.4357,  
38.8319

■ 63.6045, 57.9545,  
61.5971

■ 46.7006, 32.6391,  
29.7819

■ 71.3817, 69.8586,  
75.4435

■ 43.0234, 27.3491,  
22.1916

■ 80.3129, 83.6361,  
91.0135

■ 40.2182, 23.4496,  
15.9824

■ 89.2816, 97.0407,  
107.9772

■ 38.2086, 20.8074,  
11.0676

■ 89.4067, 97.0908,  
108.6359

■ 36.9039, 19.2629,  
7.3498

■ 36.2497, 18.6120,  
5.1045

# Harmonies

## Analogous

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



55.8396, 47.8404, 66.0138



56.9320, 47.8404, 49.4135



54.7560, 47.8404, 36.4313

# Triad

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



56.9320, 47.8404, 49.4135



39.6117, 47.8404, 30.9024



41.1333, 47.8404, 84.9719

# Complementary

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



56.9320, 47.8404, 49.4135



59.1576, 74.7946, 80.4298

# 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.



37.2996, 47.8404, 71.6941



56.9320, 47.8404, 49.4135



36.4724, 47.8404, 40.2763

# Square

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



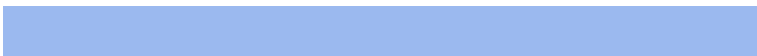
56.9320, 47.8404, 49.4135



44.5264, 47.8404, 27.2222



35.6614, 47.8404, 54.8616



46.4286, 47.8404, 88.7836



# Rectangle

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



56.9320, 47.8404, 49.4135



51.8411, 47.8404, 30.8505



35.6614, 47.8404, 54.8616



39.6451, 47.8404, 81.3520

# Sweetspot

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



56.9333, 47.8427, 49.4145



84.4226, 83.5856, 90.4350



58.5789, 47.8429, 87.8088



17.7737, 17.4352, 18.8364



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.



56.9333, 47.8427, 49.4145



61.6988, 49.0338, 49.2700



59.1976, 54.9743, 42.1442



15.9175, 15.8167, 17.1220



20.0728, 10.3015, 3.0337



1.7062, 0.8715, 0.4439



# Inverse Universe

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



56.9333, 47.8427, 49.4145



61.6988, 49.0338, 49.2700



55.9480, 64.5442, 91.1711



15.9175, 15.8167, 17.1220



20.0728, 10.3015, 3.0337



1.7062, 0.8715, 0.4439



# Previews

## White Background



This preview shows how the XYZ color 56.9320, 47.8404, 49.4135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

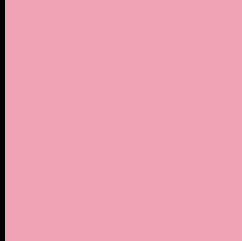
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.9320, 47.8404, 49.4135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

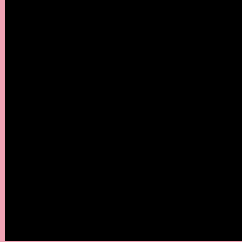
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 56.9320, 47.8404, 49.4135**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.9320, 47.8404, 49.4135.



This preview shows how white text looks on a background with the XYZ color 56.9320, 47.8404,

49.4135.

# 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

56.9320, 47.8404, 49.4135

### Protanopia

46.4555, 47.9870, 56.6831

### Deuteranopia

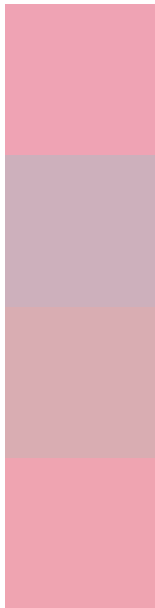
49.0330, 47.9943, 48.2745



## Tritanopia

56.7085, 48.0362, 47.3573

# Trichromacy



## Original Color

56.9320, 47.8404, 49.4135

## Protanomaly

49.7793, 47.6606, 54.1527

## Deuteranomaly

51.5947, 47.8532, 48.6367

## Tritanomaly

56.8079, 48.0760, 47.8805

# Monochromacy



## Original Color

56.9320, 47.8404, 49.4135

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

50.6092, 49.0084, 52.6911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.9320, 47.8404, 49.4135 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(239, 163, 180)` looks like.

```
.text, #text, p{  
    color:rgb(239, 163, 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(239, 163, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 163, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 56.9320, 47.8404, 49.4135 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(239, 163, 180) }
```



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

```
.border{ border-color:rgb(239, 163, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 163, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 163, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 163, 180);  
box-shadow:4px 4px 4px 4px rgb(239, 163,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.9320, 47.8404, 49.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 163, 180) }
```

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

```
.background{ background-color: rgb(239,  
163, 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](#).

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