

# Converting Colors

XYZ(57.7201, 50.0623, 48.7052)

Have a look what the booklet for  
XYZ(57.7201, 50.0623, 48.7052)  
contains.

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# Color

**XYZ(57.6705, 50.1409,  
48.7581)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEAAB2
RGB	238, 170, 178
RGB Percent	93%, 67%, 70%
CMY	0.0667, 0.3333, 0.3020
CMYK	0.00, 0.29, 0.25, 0.07
HSL	353°, 67%, 80%
HSV	353°, 29%, 93%
XYZ	57.6705, 50.1409, 48.7581
YIQ	191.2440, 37.9600, 16.9040

# Conversions

## Conversions Part 2

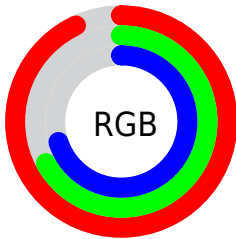
Format	Color
R <sub>Y</sub> B	238, 170, 178
Decimal	15641266
CIE Lab	76.16, 26.07, 5.88
CIE LCh	76, 26.725, 12.704
Yxy	50.1409, 0.3683, 0.3202
Android (android.graphics.Color)	4293831346 (0xFFEEAAB2)
YUV	191.2440, -6.5293, 41.0050
Hunter-Lab	70.8102, 21.4591, 8.7416

# Details

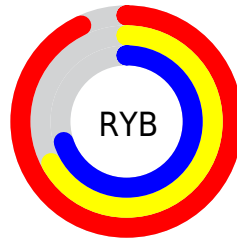
The XYZ color **57.6705, 50.1409, 48.7581** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **61.4371, 75.4095, 86.1840**, and the grayscale version is **49.6852, 52.2727, 56.9250**.

A 20% lighter version of the original color is **83.2876, 81.5932, 89.2012**, and **29.1190, 24.0270, 22.5050** is the 20% darker color. If you saturate the color by 10%, you get **51.6565, 41.2328, 37.1343**, and if you desaturate by 10%, it is **64.8178, 60.7981, 62.3534**.

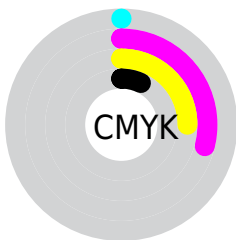
# Distribution



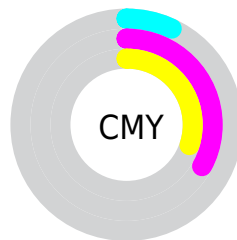
- Red (93%)
- Green (67%)
- Blue (70%)



- Red (93%)
- Yellow (67%)
- Blue (70%)



- Cyan (0%)
- Magenta (29%)
- Yellow (25%)
- Black (7%)



- Cyan (7%)
- Magenta (33%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.6705, 50.1409, 48.7581 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 57.6705, 50.1409, 48.7581 by changing the saturation by 10% instead.



57.6705, 50.1409,  
48.7581

57.6705, 50.1409,  
48.7581

405.9307,  
387.2167, 398.3843

41.7860, 35.5254,  
34.0634

100.5686, 90.3836,  
89.7093

29.1242, 24.0679,  
22.6645

128.3130,  
116.7796, 116.8029

19.3195, 15.3840,  
14.1430

160.7413,  
147.8711, 148.8666

12.0068, 9.0893,  
8.0803

198.2190,  
184.0427, 186.3188

6.8205, 4.7995,  
4.0579

241.1115,  
225.6786, 229.5781

3.3954, 2.1301,  
1.6572

289.7840,

1.3662, 0.6815,

273.1633, 279.0631

0.3311

344.6020,  
326.8812, 335.1923

■ 0.2319, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.6705, 50.1409,  
48.7581

■ 57.6705, 50.1409,  
48.7581

■ 51.6565, 41.2328,  
37.1343

■ 64.8178, 60.7981,  
62.3534

■ 46.7133, 33.9737,  
27.3875

■ 73.1482, 73.2834,  
78.0028

■ 42.7790, 28.2641,  
19.4196

■ 82.7137, 87.6796,  
95.7878

■ 39.7831, 23.9911,  
13.1226

■ 89.0701, 96.9172,  
108.6201

■ 37.6465, 21.0263,  
8.3766

■ 36.2764, 19.2184,  
5.0455

■ 35.5442, 18.3500,  
2.9642

■ 35.4695, 18.2610,  
2.7530

# Harmonies

## Analogous

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



57.4442, 50.1409, 63.2020



57.6705, 50.1409, 48.7581



55.0816, 50.1409, 37.9616

# Triad

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



57.6705, 50.1409, 48.7581



41.4268, 50.1409, 36.7494



44.8543, 50.1409, 85.3480

# Complementary

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



57.6705, 50.1409, 48.7581



61.4371, 75.4095, 86.1840

# 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.



40.9323, 50.1409, 75.4909



57.6705, 50.1409, 48.7581



39.0506, 50.1409, 46.8071

# Square

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



57.6705, 50.1409, 48.7581



45.5732, 50.1409, 31.8891



38.8761, 50.1409, 60.8799



49.8042, 50.1409, 86.1200



# Rectangle

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



57.6705, 50.1409, 48.7581



52.2062, 50.1409, 33.5908



38.8761, 50.1409, 60.8799



43.3808, 50.1409, 82.9174

# Sweetspot

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



57.6719, 50.1432, 48.7591



85.0698, 84.9850, 90.3271



62.1007, 51.5719, 87.5706



17.8870, 17.7077, 18.7323



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.



57.6719, 50.1432, 48.7591



63.3838, 52.6104, 49.1947



62.0173, 60.0818, 46.3614



15.8484, 15.7891, 16.7578



19.8124, 10.1974, 1.6625



1.6726, 0.8581, 0.2669



# Inverse Universe

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



57.6719, 50.1432, 48.7591



63.3838, 52.6104, 49.1947



55.8231, 62.3430, 89.9805



15.8484, 15.7891, 16.7578



19.8124, 10.1974, 1.6625

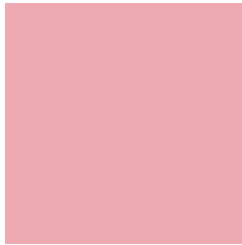


1.6726, 0.8581, 0.2669



# Previews

## White Background



This preview shows how the XYZ color 57.6705, 50.1409, 48.7581 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

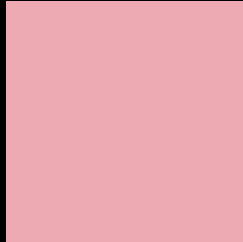
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.6705, 50.1409, 48.7581 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 57.6705, 50.1409, 48.7581

## Background



This preview shows how black text looks on a background with the XYZ color 57.6705, 50.1409, 48.7581.



This preview shows how white text looks on a background with the XYZ color 57.6705, 50.1409,



# 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

57.6705, 50.1409, 48.7581

### Protanopia

48.3333, 50.2479, 54.7283

### Deuteranopia

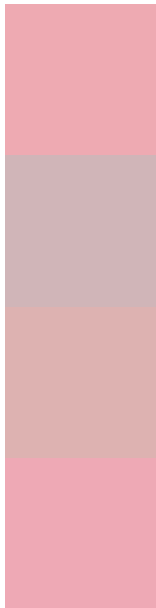
51.4284, 50.4394, 48.0995



## Tritanopia

57.8914, 49.9305, 50.8423

# Trichromacy



## Original Color

57.6705, 50.1409, 48.7581

## Protanomaly

51.1880, 49.9183, 52.2847

## Deuteranomaly

53.6750, 50.3873, 48.4917

## Tritanomaly

57.7884, 49.8893, 50.2999

# Monochromacy



## Original Color

57.6705, 50.1409, 48.7581

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

51.8088, 50.8220, 53.5334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.6705, 50.1409, 48.7581 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(238, 170, 178)` looks like.

```
.text, #text, p{  
    color:rgb(238, 170, 178)  
}
```

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(238, 170, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 170, 178) }
```

## Border

The CSS property to change the border of an element to XYZ 57.6705, 50.1409, 48.7581 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(238, 170, 178) }
```



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

```
.border{ border-color:rgb(238, 170, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 170, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 170, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 170, 178);  
box-shadow:4px 4px 4px 4px rgb(238, 170,  
178) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.6705, 50.1409, 48.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 170, 178) }
```

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

```
.background{ background-color: rgb(238,  
170, 178) }
```

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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