

# Converting Colors

XYZ(58.5378, 51.6584, 45.7548)

Have a look what the booklet for  
XYZ(58.5378, 51.6584, 45.7548)  
contains.

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# Color

**XYZ(58.5176, 51.7759,  
45.9393)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0AEAC
RGB	240, 174, 172
RGB Percent	94%, 68%, 67%
CMY	0.0588, 0.3176, 0.3255
CMYK	0.00, 0.27, 0.28, 0.06
HSL	2°, 69%, 81%
HSV	2°, 28%, 94%
XYZ	58.5176, 51.7759, 45.9393
YIQ	193.5060, 39.9780, 13.3700

# Conversions

## Conversions Part 2

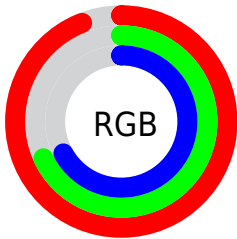
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 174, 172
Decimal	15773356
CIE Lab	77.15, 23.86, 10.59
CIE LCh	77, 26.108, 23.938
Yxy	51.7759, 0.3746, 0.3314
Android (android.graphics.Color)	4293963436 (0xFFFF0AEAC)
YUV	193.5060, -10.6025, 40.7752
Hunter-Lab	71.9555, 19.2426, 12.5157

# Details

The XYZ color **58.5176, 51.7759, 45.9393** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **63.3150, 76.2086, 93.8109**, and the grayscale version is **51.0316, 53.6892, 58.4676**.

A 20% lighter version of the original color is **83.4019, 83.3997, 84.3750**, and **29.7560, 25.0981, 21.0454** is the 20% darker color. If you saturate the color by 10%, you get **52.3012, 42.7046, 33.5038**, and if you desaturate by 10%, it is **65.9333, 62.5791, 60.8293**.

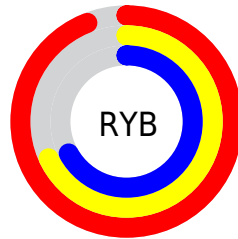
# Distribution



Red (94%)

Green (68%)

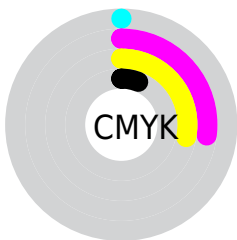
Blue (67%)



Red (94%)

Yellow (68%)

Blue (67%)

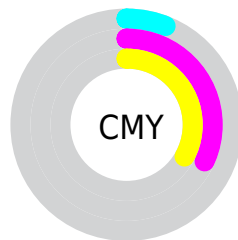


Cyan (0%)

Magenta (27%)

Yellow (28%)

Black (6%)



Cyan (6%)

Magenta (32%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.5176, 51.7759, 45.9393 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 58.5176, 51.7759, 45.9393 by changing the saturation by 10% instead.





 58.5176, 51.7759,  
45.9393

 58.5176, 51.7759,  
45.9393


409.0347,  
393.5708, 386.8351

 42.4698, 36.8265,  
31.8496


 101.7949, 92.8007,  
85.4615

 29.6620, 25.0732,  
20.9828


129.7550,  
119.6448, 111.7310

 19.7290, 16.1316,  
12.9203


162.4167,  
151.2226, 142.8976

 12.3053, 9.6173,  
7.2436

200.1452,  
187.9185, 179.3798

 7.0256, 5.1460,  
3.5342

243.3059,  
230.1169, 221.5961

 3.5246, 2.3332,  
1.3734

292.2641,

 1.4369, 0.7912,

278.2021, 269.9650

0.1209

347.3853,  
332.5587, 324.9052

■ 0.2823, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.5176, 51.7759,  
45.9393

■ 58.5176, 51.7759,  
45.9393

■ 52.3012, 42.7046,  
33.5038

■ 65.9333, 62.5791,  
60.8293

■ 47.2173, 35.2683,  
23.3881

■ 74.6023, 75.1899,  
78.2923

■ 43.1988, 29.3720,  
15.4494

■ 84.5802, 89.6883,  
98.4428

■ 40.1701, 24.9076,  
9.5282

■ 89.7453, 97.2653,  
108.6517

■ 38.0453, 21.7535,  
5.4426

■ 36.7241, 19.7676,  
2.9786

■ 36.0764, 18.7725,  
1.8369

■ 36.0120, 18.6789,  
1.7073

# Harmonies

## Analogous

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



59.3884, 51.7759, 59.3289



58.5176, 51.7759, 45.9393



55.0817, 51.7759, 36.9425

# Triad

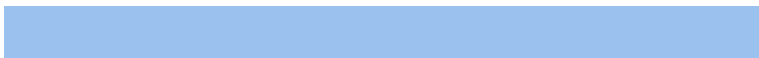
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



58.5176, 51.7759, 45.9393



41.8517, 51.7759, 41.6899



48.2045, 51.7759, 88.3732

# Complementary

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



58.5176, 51.7759, 45.9393



63.3150, 76.2086, 93.8109

# 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.



43.7738, 51.7759, 81.6493



58.5176, 51.7759, 45.9393



40.2690, 51.7759, 53.5211

# Square

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



58.5176, 51.7759, 45.9393



45.4181, 51.7759, 34.7949



40.9482, 51.7759, 68.2826



53.2103, 51.7759, 85.4229



# Rectangle

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



58.5176, 51.7759, 45.9393



51.9157, 51.7759, 33.8670



40.9482, 51.7759, 68.2826



46.6028, 51.7759, 87.1381

# Sweetspot

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



58.5190, 51.7783, 45.9403



85.9437, 86.7671, 90.5126



66.2484, 54.2550, 88.5389



18.0523, 18.0728, 18.6813



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.



58.5190, 51.7783, 45.9403



62.8716, 53.1698, 44.1416



65.7271, 66.1946, 48.3430



15.8102, 15.8334, 16.3726



19.7302, 10.2585, 0.9402



1.6544, 0.8795, 0.0826



# Inverse Universe

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



63.3150, 76.2086, 93.8109



69.2124, 85.4778, 107.4587



54.5414, 58.6614, 90.8864



16.2051, 17.8443, 20.3118



24.5675, 35.3593, 50.6581



2.0563, 2.9666, 4.2184



# Previews

## White Background



This preview shows how the XYZ color 58.5176, 51.7759, 45.9393 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 58.5176, 51.7759, 45.9393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

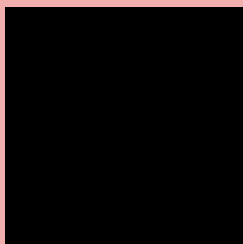
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 58.5176, 51.7759, 45.9393**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.5176, 51.7759, 45.9393.



This preview shows how white text looks on a background with the XYZ color 58.5176, 51.7759,

45.9393.

# 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

58.5176, 51.7759, 45.9393

### Protanopia

49.7799, 52.0334, 51.1358

### Deuteranopia

53.0115, 51.9350, 45.2607



## Tritanopia

59.7851, 51.7086, 52.7287

# Trichromacy



## Original Color

58.5176, 51.7759, 45.9393

## Protanomaly

52.6169, 51.6415, 49.3141

## Deuteranomaly

54.7233, 51.5903, 45.6018

## Tritanomaly

59.4574, 51.8832, 50.0607

# Monochromacy



## Original Color

58.5176, 51.7759, 45.9393

## Achromatopsia

51.2775, 53.9479, 58.7493

## Achromatomaly

53.4972, 52.9347, 53.8522

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.5176, 51.7759, 45.9393 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(240, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(240, 174, 172)  
}
```

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(240, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 174, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 58.5176, 51.7759, 45.9393 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(240, 174, 172) }
```



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

```
.border{ border-color:rgb(240, 174, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 174, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(240, 174,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.5176, 51.7759, 45.9393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 174, 172) }
```

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

```
.background{ background-color: rgb(240,  
174, 172) }
```

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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