

# Converting Colors

XYZ(58.1158, 52.0196, 42.5758)

Have a look what the booklet for  
XYZ(58.1158, 52.0196, 42.5758)  
contains.

<b>XYZ(58.0567, 51.9018, 42.5554)</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(58.0567, 51.9018,  
42.5554)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0AFA5
RGB	240, 175, 165
RGB Percent	94%, 69%, 65%
CMY	0.0588, 0.3137, 0.3529
CMYK	0.00, 0.27, 0.31, 0.06
HSL	8°, 71%, 79%
HSV	8°, 31%, 94%
XYZ	58.0567, 51.9018, 42.5554
YIQ	193.2950, 41.9500, 10.6700

# Conversions

## Conversions Part 2

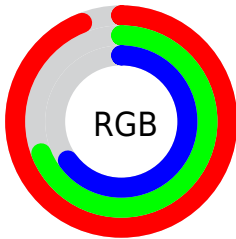
Format	Color
R <sub>Y</sub> B	240, 177, 165
Decimal	15773605
CIE Lab	77.22, 22.42, 14.50
CIE LCh	77, 26.698, 32.897
Yxy	51.9018, 0.3807, 0.3403
Android (android.graphics.Color)	4293963685 (0xFFFF0AFA5)
YUV	193.2950, -13.9494, 40.9603
Hunter-Lab	72.0429, 17.7714, 15.4077

# Details

The XYZ color **58.0567, 51.9018, 42.5554** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **59.5411, 70.8819, 92.9818**, and the grayscale version is **50.9255, 53.5776, 58.3460**.

A 20% lighter version of the original color is **82.7342, 83.5791, 79.4820**, and **29.2316, 25.0564, 18.9185** is the 20% darker color. If you saturate the color by 10%, you get **52.3330, 43.6282, 30.8626**, and if you desaturate by 10%, it is **64.8166, 61.5912, 56.6169**.

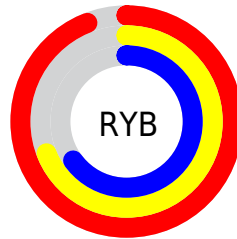
# Distribution



Red (94%)

Green (69%)

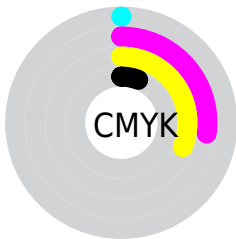
Blue (65%)



Red (94%)

Yellow (69%)

Blue (65%)

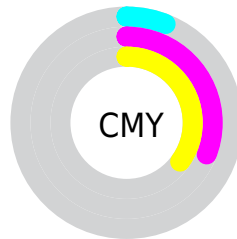


Cyan (0%)

Magenta (27%)

Yellow (31%)

Black (6%)



Cyan (6%)

Magenta (31%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0567, 51.9018, 42.5554 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 58.0567, 51.9018, 42.5554 by changing the saturation by 10% instead.





 58.0567, 51.9018,  
42.5554

 58.0567, 51.9018,  
42.5554

407.3476,  
394.0574, 372.6475

 42.0977, 36.9268,  
29.2076

 101.1279, 92.9864,  
80.3187

 29.3692, 25.1508,  
18.9910


 128.9708,  
119.8648, 105.5712

 19.5060, 16.1895,  
11.4870


161.5057,  
151.4798, 135.6291

 12.1426, 9.6583,  
6.2772

199.0980,  
188.2158, 170.9109

 6.9138, 5.1730,  
2.9428

242.1129,  
230.4571, 211.8350

 3.4541, 2.3491,  
1.0655

290.9160,

 1.3982, 0.7995,

278.5882, 258.8202

0.0000

345.8724,  
332.9935, 312.2848

■ 0.2549, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.0567, 51.9018,  
42.5554

■ 58.0567, 51.9018,  
42.5554

■ 52.3330, 43.6282,  
30.8626

■ 64.8166, 61.5912,  
56.6169

■ 47.5899, 36.6970,  
21.4050

■ 72.6563, 72.7507,  
73.1646

■ 43.7729, 31.0392,  
14.0403

■ 81.6221, 85.4409,  
92.3116

■ 40.8204, 26.5768,  
8.6088

■ 89.7453, 97.2653,  
108.6517

■ 38.6631, 23.2230,  
4.9275

■ 37.2205, 20.8791,  
2.7779

■ 36.4522, 19.5592,  
1.8541

# Harmonies

## Analogous

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



59.8178, 51.9018, 55.1010



58.0567, 51.9018, 42.5554



53.9480, 51.9018, 34.9675

# Triad

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



58.0567, 51.9018, 42.5554



41.0853, 51.9018, 44.6285



49.8297, 51.9018, 89.5616

# Complementary

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



58.0567, 51.9018, 42.5554



59.5411, 70.8819, 92.9818

# 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.



44.9854, 51.9018, 85.4708



58.0567, 51.9018, 42.5554



40.1478, 51.9018, 57.9474

# Square

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



58.0567, 51.9018, 42.5554



44.1809, 51.9018, 36.0111



41.5267, 51.9018, 73.2289



54.8668, 51.9018, 83.6092



# Rectangle

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



58.0567, 51.9018, 42.5554



50.5571, 51.9018, 32.9202



41.5267, 51.9018, 73.2289



48.1251, 51.9018, 89.3169

# Sweetspot

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



58.0581, 51.9043, 42.5564



85.5529, 86.5696, 88.5816



63.6736, 51.1492, 81.3801



18.0048, 18.0940, 18.3069



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.



58.0581, 51.9043, 42.5564



62.6311, 53.7986, 40.6398



66.3958, 68.5797, 45.3357



15.9428, 16.0987, 16.4168



20.0083, 10.8147, 1.0329



1.7177, 1.0061, 0.1037

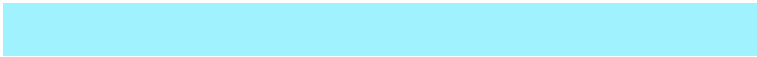


# Inverse Universe

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



59.5411, 70.8819, 92.9818



64.5530, 78.5117, 106.3597



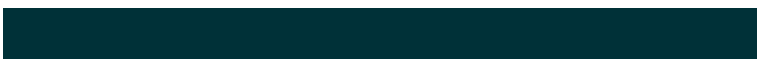
50.2054, 52.2104, 89.8698



16.0571, 17.5482, 20.2625



21.0266, 28.2774, 49.4777



1.7986, 2.4512, 4.1325



# Previews

## White Background



This preview shows how the XYZ color 58.0567, 51.9018, 42.5554 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 58.0567, 51.9018, 42.5554 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

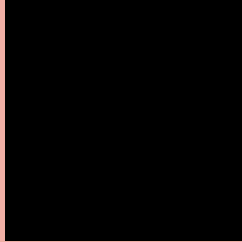
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.0567, 51.9018, 42.5554

## Background



This preview shows how black text looks on a background with the XYZ color 58.0567, 51.9018, 42.5554.



This preview shows how white text looks on a background with the XYZ color 58.0567, 51.9018,

42.5554.

# 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

58.0567, 51.9018, 42.5554

### Protanopia

49.5095, 51.9862, 46.9601

### Deuteranopia

52.9648, 51.9854, 41.8930



## Tritanopia

60.1274, 51.8851, 52.7447

# Trichromacy



## Original Color

58.0567, 51.9018, 42.5554

## Protanomaly

52.3362, 51.8963, 45.2888

## Deuteranomaly

54.9033, 52.0590, 42.2766

## Tritanomaly

59.2551, 51.8023, 48.9952

# Monochromacy



## Original Color

58.0567, 51.9018, 42.5554

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

52.6845, 52.2383, 52.1060

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0567, 51.9018, 42.5554 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, 175, 165)` looks like.

```
.text, #text, p{  
    color:rgb(240, 175, 165)  
}
```

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, 175, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 175, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0567, 51.9018, 42.5554 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, 175, 165) }
```



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

```
.border{ border-color:rgb(240, 175, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 175, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 175, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 175, 165);  
box-shadow:4px 4px 4px 4px rgb(240, 175,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0567, 51.9018, 42.5554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 175, 165) }
```

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

```
.background{ background-color: rgb(240,  
175, 165) }
```

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