

# Converting Colors

XYZ(58.1123, 28.3513, 89.7227)

Have a look what the booklet for  
XYZ(58.1123, 28.3513, 89.7227)  
contains.

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# Color

**XYZ(58.0909, 28.3464,  
89.5985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF12F6
RGB	255, 18, 246
RGB Percent	100%, 7%, 96%
CMY	0.0000, 0.9293, 0.0353
CMYK	0.00, 0.93, 0.04, 0.00
HSL	302°, 100%, 54%
HSV	302°, 93%, 100%
XYZ	58.0909, 28.3464, 89.5985
YIQ	114.8550, 68.0640, 121.1520

# Conversions

## Conversions Part 2

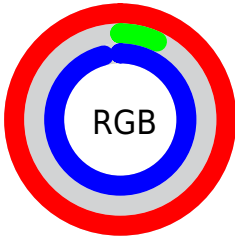
Format	Color
R <sub>Y</sub> B	255, 18, 246
Decimal	16716534
CIE Lab	60.20, 95.87, -56.04
CIE LCh	60, 111.046, 329.693
Yxy	28.3464, 0.3300, 0.1610
Android (android.graphics.Color)	4294906614 (0xFFFF12F6)
YUV	114.8550, 64.6545, 122.9072
Hunter-Lab	53.2413, 101.5866, -62.5087

# Details

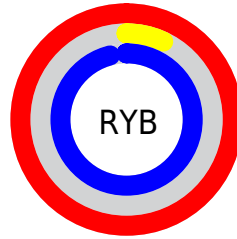
The XYZ color **58.0909, 28.3464, 89.5985** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **36.2082, 71.7282, 12.9753**, and the grayscale version is **16.0534, 16.8894, 18.3925**.

A 20% lighter version of the original color is **64.6526, 39.2051, 98.7675**, and **31.1776, 15.0116, 49.3984** is the 20% darker color. If you saturate the color by 10%, you get **57.7697, 27.8719, 88.9742**, and if you desaturate by 10%, it is **58.9070, 29.7400, 90.6062**.

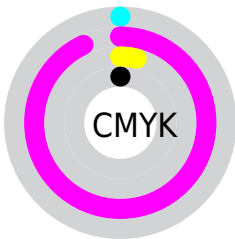
# Distribution



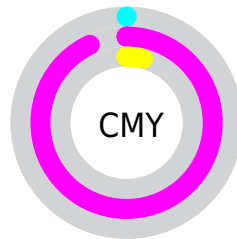
- Red (100%)
- Green (7%)
- Blue (96%)



- Red (100%)
- Yellow (7%)
- Blue (96%)



- Cyan (0%)
- Magenta (93%)
- Yellow (4%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0909, 28.3464, 89.5985 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 58.0909, 28.3464, 89.5985 by changing the saturation by 10% instead.





 58.0909, 28.3464,  
89.5985


 58.0909, 28.3464,  
89.5985


407.4730,  
294.1185, 547.2603


 42.1253, 18.5869,  
67.0759


 101.1774, 57.0370,  
148.7112


 29.3909, 11.3722,  
48.6843


 129.0290, 76.7370,  
186.1384


 19.5225, 6.3178,  
34.0053


 161.5733,  
100.5192, 229.3707

 12.1547, 3.0392,  
22.6203

 199.1757,  
128.7681, 278.8269

 6.9221, 1.1523,  
14.1107

 242.2015,  
161.8681, 334.9254

 3.4593, 0.0222,  
8.0581

291.0161,

 1.4010, 0.0000,

200.2036, 398.0848

4.0438

345.9848,  
244.1589, 468.7236

■ 0.2570, 0.0000,  
1.6494

■ 0.0000, 0.0000,  
0.3257

■ 58.0909, 28.3464,  
89.5985

■ 58.0909, 28.3464,  
89.5985

■ 57.7697, 27.8719,  
88.9742

■ 58.9070, 29.7400,  
90.6062

■ 60.3035, 32.2934,  
91.8109

■ 62.3742, 36.1937,  
93.2441

■ 65.1957, 41.5944,  
94.9314

68.8344, 48.6283,  
96.8950

73.3493, 57.4134,  
99.1545

78.7942, 68.0572,  
101.7279

85.2183, 80.6581,  
104.6315

92.6674, 95.3079,  
107.8806

# Harmonies

## Analogous

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



42.8724, 28.3464, 160.9857



58.0909, 28.3464, 89.5985



64.5488, 28.3464, 31.2857

# Triad

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



58.0909, 28.3464, 89.5985



27.0891, 28.3464, 0.0000



9.4931, 28.3464, 88.1284

# Complementary

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



58.0909, 28.3464, 89.5985



36.2082, 71.7282, 12.9753

# 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.



7.8134, 28.3464, 30.4469



58.0909, 28.3464, 89.5985



15.5464, 28.3464, 0.5124

# Square

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



58.0909, 28.3464, 89.5985



43.2191, 28.3464, 0.5540



9.5664, 28.3464, 5.8209



15.3713, 28.3464, 159.7277



# Rectangle

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



58.0909, 28.3464, 89.5985



61.7299, 28.3464, 11.2901



9.5664, 28.3464, 5.8209



8.5346, 28.3464, 65.4620

# Sweetspot

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



58.0914, 28.3474, 89.5990



75.9140, 62.4216, 100.3827



18.6910, 7.8723, 95.1421



15.7655, 12.4171, 21.2550



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.



58.0914, 28.3474, 89.5990



57.7697, 27.8719, 88.9742



45.3938, 23.2684, 22.7340



18.7611, 18.2878, 22.6251



30.1991, 14.5689, 46.5606



2.9493, 1.4221, 4.5805



# Inverse Universe

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



58.0914, 28.3474, 89.5990



57.7697, 27.8719, 88.9742



41.0758, 73.6752, 38.6076



18.7611, 18.2878, 22.6251



30.1991, 14.5689, 46.5606



2.9493, 1.4221, 4.5805



# Previews

## White Background



This preview shows how the XYZ color 58.0909, 28.3464, 89.5985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

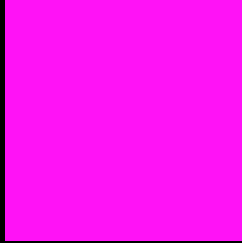
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 58.0909, 28.3464, 89.5985 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 × Fail

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

**XYZ 58.0909, 28.3464, 89.5985**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.0909, 28.3464, 89.5985.



This preview shows how white text looks on a background with the XYZ color 58.0909, 28.3464,



# 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

58.0909, 28.3464, 89.5985

### Protanopia

32.0374, 28.7901, 98.4762

### Deuteranopia

29.6325, 28.8687, 79.6117



## Tritanopia

42.8016, 28.2601, 16.2956

# Trichromacy



## Original Color

58.0909, 28.3464, 89.5985



## Protanomaly

34.6079, 22.1570, 94.5481



## Deuteranomaly

32.9286, 21.8498, 81.8388



## Tritanomaly

45.7851, 26.0690, 34.0712

# Monochromacy



## Original Color

58.0909, 28.3464, 89.5985



## Achromatopsia

16.2955, 17.1441, 18.6699



## Achromatomaly

25.2054, 16.4887, 36.5045

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0909, 28.3464, 89.5985 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(255, 18, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 246)  
}
```

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(255, 18, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 246) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0909, 28.3464, 89.5985 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(255, 18, 246) }
```



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

```
.border{ border-color:rgb(255, 18, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
246) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0909, 28.3464, 89.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 246) }
```

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

```
.background{ background-color: rgb(255, 18,  
246) }
```

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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