

# Converting Colors

XYZ(52.8577, 27.6278, 57.8030)

Have a look what the booklet for  
XYZ(52.8577, 27.6278, 57.8030)  
contains.

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# Color

**XYZ(52.8396, 27.5910,  
57.7990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF30C9
RGB	255, 48, 201
RGB Percent	100%, 19%, 79%
CMY	0.0000, 0.8117, 0.2118
CMYK	0.00, 0.81, 0.21, 0.00
HSL	316°, 100%, 59%
HSV	316°, 81%, 100%
XYZ	52.8396, 27.5910, 57.7990
YIQ	127.3350, 74.2590, 91.4670

# Conversions

## Conversions Part 2

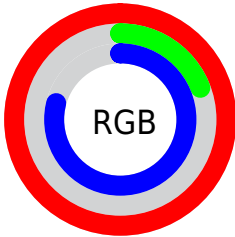
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 48, 201
Decimal	16724169
CIE <sub>Lab</sub>	59.52, 85.62, -31.74
CIE <sub>LCh</sub>	60, 91.314, 339.663
Yxy	27.5910, 0.3823, 0.1996
Android (android.graphics.Color)	4294914249 (0xFFFF30C9)
YUV	127.3350, 36.3168, 111.9622
Hunter-Lab	52.5271, 87.6393, -28.4716

# Details

The XYZ color **52.8396, 27.5910, 57.7990** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **39.3788, 73.1084, 24.6104**, and the grayscale version is **20.1519, 21.2013, 23.0882**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **27.2588, 13.4440, 28.7620** is the 20% darker color. If you saturate the color by 10%, you get **51.3136, 25.7645, 53.5125**, and if you desaturate by 10%, it is **54.9991, 30.6302, 62.4644**.

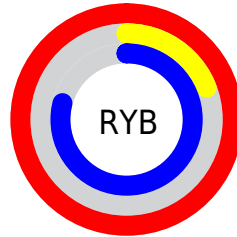
# Distribution



Red (100%)

Green (19%)

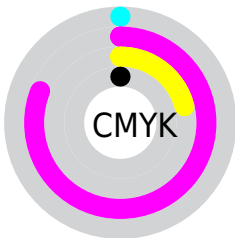
Blue (79%)



Red (100%)

Yellow (19%)

Blue (79%)

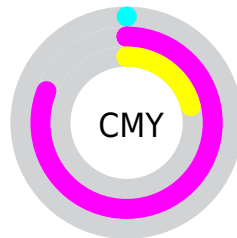


Cyan (0%)

Magenta (81%)

Yellow (21%)

Black (0%)



Cyan (0%)

Magenta (81%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8396, 27.5910, 57.7990 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 52.8396, 27.5910, 57.7990 by changing the saturation by 10% instead.





 52.8396, 27.5910,  
57.7990


 52.8396, 27.5910,  
57.7990


387.9404,  
290.5074, 434.0139

 37.9017, 18.0176,  
41.2334

 93.5352, 55.8308,  
103.1420


 26.0833, 10.9626,  
28.1805

 120.0237, 75.2659,  
132.7565


 17.0190, 6.0417,  
18.2215


 151.0930, 98.7571,  
167.5577

 10.3434, 2.8705,  
10.9381

 187.1085,  
126.6887, 207.9643

 5.6912, 1.0645,  
5.9115

 228.4357,  
159.4452, 254.3946

 2.6971, 0.0000,  
2.7235

275.4398,

 0.9957, 0.0000,

197.4108, 307.2673

0.9552

328.4863,  
240.9701, 367.0009

■ 0.0000, 0.0000,  
0.0000

■ 52.8396, 27.5910,  
57.7990

■ 52.8396, 27.5910,  
57.7990

■ 51.3136, 25.7645,  
53.5125

■ 54.9991, 30.6302,  
62.4644

■ 50.3682, 24.9113,  
49.9987

■ 57.8801, 35.0575,  
67.5394

■ 61.5582, 41.0233,  
73.0514

■ 66.0986, 48.6578,  
79.0241

■ 71.5599, 58.0771,  
85.4791

77.9952, 69.3868,  
92.4358

85.4535, 82.6846,  
99.9126

93.9805, 98.0611,  
107.9265

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



42.9839, 27.5910, 109.6977



52.8396, 27.5910, 57.7990



54.5531, 27.5910, 20.6326

# Triad

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



52.8396, 27.5910, 57.7990



22.6917, 27.5910, 0.8807



12.6394, 27.5910, 91.1384

# Complementary

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



52.8396, 27.5910, 57.7990



39.3788, 73.1084, 24.6104

# 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.



9.9296, 27.5910, 41.9489



52.8396, 27.5910, 57.7990



14.5095, 27.5910, 2.9262

# Square

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



52.8396, 27.5910, 57.7990



34.6670, 27.5910, 1.2059



10.4962, 27.5910, 12.9937



19.2775, 27.5910, 136.8268



# Rectangle

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



52.8396, 27.5910, 57.7990



50.4573, 27.5910, 8.3620



10.4962, 27.5910, 12.9937



11.3415, 27.5910, 73.4357

# Sweetspot

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



52.8403, 27.5923, 57.7995



76.0723, 65.9886, 90.4150



24.3369, 12.0310, 95.6473



15.7890, 13.2563, 18.8205



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.



52.8403, 27.5923, 57.7995



50.6687, 25.1643, 51.1712



44.5864, 24.2908, 14.3350



18.5784, 18.2147, 21.6630



26.3830, 13.0425, 26.4650



2.6136, 1.2878, 2.8127



# Inverse Universe

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



52.8403, 27.5923, 57.7995



50.6687, 25.1643, 51.1712



47.7895, 76.4727, 68.9008



18.5784, 18.2147, 21.6630



26.3830, 13.0425, 26.4650



2.6136, 1.2878, 2.8127



# Previews

## White Background



This preview shows how the XYZ color 52.8396, 27.5910, 57.7990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

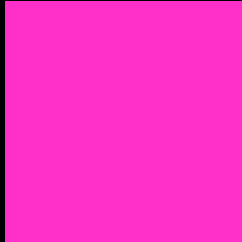
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8396, 27.5910, 57.7990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

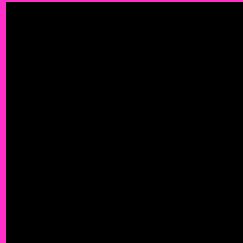
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 52.8396, 27.5910, 57.7990**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.8396, 27.5910, 57.7990.



This preview shows how white text looks on a background with the XYZ color 52.8396, 27.5910,



# 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

52.8396, 27.5910, 57.7990

### Protanopia

31.5479, 28.1000, 98.3688

### Deuteranopia

28.3831, 27.7104, 51.9968



## Tritanopia

43.5988, 27.5457, 13.6086

# Trichromacy



## Original Color

52.8396, 27.5910, 57.7990



## Protanomaly

32.6475, 22.9031, 81.2973



## Deuteranomaly

33.0148, 23.7128, 53.2890



## Tritanomaly

45.7493, 26.7308, 24.9386

# Monochromacy



## Original Color

52.8396, 27.5910, 57.7990



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

27.6560, 20.0671, 32.9876

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8396, 27.5910, 57.7990 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, 48, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 201)  
}
```

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, 48, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8396, 27.5910, 57.7990 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, 48, 201) }
```



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

```
.border{ border-color:rgb(255, 48, 201) }
```

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

Here you see how a box with a 4 pixel rgb(255, 48, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8396, 27.5910, 57.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 201) }
```

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

```
.background{ background-color: rgb(255, 48,  
201) }
```

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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