

# Converting Colors

XYZ(58.8779, 28.3152, 94.8101)

Have a look what the booklet for  
XYZ(58.8779, 28.3152, 94.8101)  
contains.

<b>XYZ(58.8107, 28.2883, 94.4560)</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(58.8107, 28.2883,  
94.4560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00FC
RGB	255, 0, 252
RGB Percent	100%, 0%, 99%
CMY	0.0000, 0.9998, 0.0118
CMYK	0.00, 1.00, 0.01, 0.00
HSL	301°, 100%, 50%
HSV	301°, 100%, 100%
XYZ	58.8107, 28.2883, 94.4560
YIQ	104.9730, 71.0880, 132.4320

# Conversions

## Conversions Part 2

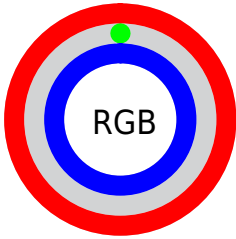
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 0, 252
Decimal	16711932
CIE <sub>Lab</sub>	60.15, 97.84, -59.45
CIE <sub>LCh</sub>	60, 114.488, 328.714
Yxy	28.2883, 0.3239, 0.1558
Android (android.graphics.Color)	4294902012 (0xFFFF00FC)
YUV	104.9730, 72.4843, 131.5737
Hunter-Lab	53.1867, 104.2977, -68.0642

# Details

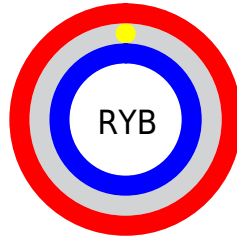
The XYZ color **58.8107, 28.2883, 94.4560** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.7773, 71.5270, 12.0079**, and the grayscale version is **13.2243, 13.9130, 15.1513**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.7299, 15.2325, 52.3067** is the 20% darker color. If you saturate the color by 10%, you get **58.8107, 28.2883, 94.4559**, and if you desaturate by 10%, it is **59.2178, 29.0262, 94.8268**.

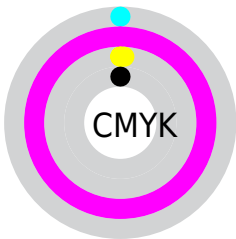
# Distribution



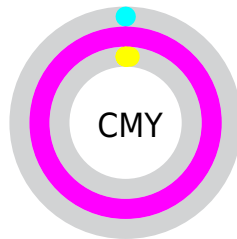
- Red (100%)
- Green (0%)
- Blue (99%)



- Red (100%)
- Yellow (0%)
- Blue (99%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.8107, 28.2883, 94.4560 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 58.8107, 28.2883, 94.4560 by changing the saturation by 10% instead.





 58.8107, 28.2883,  
94.4560


 58.8107, 28.2883,  
94.4560


410.1054,  
293.8420, 563.3617


 42.7065, 18.5431,  
71.0879


 102.2187, 56.9444,  
155.5019


 29.8484, 11.3406,  
51.9317


 130.2532, 76.6241,  
194.0169


 19.8711, 6.2964,  
36.5687


 162.9953,  
100.3841, 238.4178

 12.4091, 3.0261,  
24.5806

 200.8101,  
128.6087, 289.1233

 7.0971, 1.1454,  
15.5487

 244.0632,  
161.6824, 346.5519

 3.5698, 0.0164,  
9.0545

293.1199,

 1.4617, 0.0000,

199.9896, 411.1222

4.6794

348.3455,  
243.9147, 483.2526

■ 0.2996, 0.0000,  
2.0050

■ 0.0000, 0.0000,  
0.5584

■ 58.8107, 28.2883,  
94.4560

■ 58.8107, 28.2883,  
94.4560

■ 58.8107, 28.2883,  
94.4559

■ 59.2178, 29.0262,  
94.8268

■ 60.0919, 30.6982,  
95.3533

■ 61.5761, 33.5901,  
96.0835

■ 63.7576, 37.8766,  
97.0466

66.7097, 43.7042,  
98.2669

70.4964, 51.2009,  
99.7657

75.1750, 60.4812,  
101.5622

80.7977, 71.6496,  
103.6738

87.4128, 84.8026,  
106.1166

# Harmonies

## Analogous

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



42.7963, 28.2883, 169.2952



58.8107, 28.2883, 94.4560



65.9647, 28.2883, 32.6453

# Triad

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



58.8107, 28.2883, 94.4560



27.5236, 28.2883, 0.0000



8.9905, 28.2883, 87.9973

# Complementary

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



58.8107, 28.2883, 94.4560



35.7773, 71.5270, 12.0079

# 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.



7.4276, 28.2883, 29.0278



58.8107, 28.2883, 94.4560



15.5086, 28.2883, 0.2303

# Square

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



58.8107, 28.2883, 94.4560



44.3047, 28.2883, 0.4100



9.2981, 28.2883, 5.0453



14.7630, 28.2883, 163.7250



# Rectangle

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



58.8107, 28.2883, 94.4560



63.3083, 28.2883, 11.5069



9.2981, 28.2883, 5.0453



8.0734, 28.2883, 64.5618

# Sweetspot

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



58.8113, 28.2893, 94.4565



75.1655, 60.4623, 101.5586



18.0511, 7.2213, 95.0502



15.6424, 12.0562, 21.5676



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.



58.8113, 28.2893, 94.4565



58.8107, 28.2883, 94.4559



45.1055, 22.8070, 22.2829



18.7829, 18.2965, 22.7401



30.7341, 14.7829, 49.3776



2.9953, 1.4405, 4.8228



# Inverse Universe

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



58.8113, 28.2893, 94.4565



58.8107, 28.2883, 94.4559



39.6256, 73.0663, 32.2728



18.7829, 18.2965, 22.7401



30.7341, 14.7829, 49.3776



2.9953, 1.4405, 4.8228



# Previews

## White Background



This preview shows how the XYZ color 58.8107, 28.2883, 94.4560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

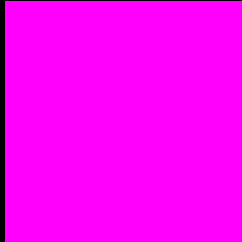
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 58.8107, 28.2883, 94.4560 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 58.8107, 28.2883, 94.4560**

## **Background**



This preview shows how black text looks on a background with the XYZ color 58.8107, 28.2883, 94.4560.



This preview shows how white text looks on a background with the XYZ color 58.8107, 28.2883,



# 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

58.8107, 28.2883, 94.4560

### Protanopia

32.2861, 29.1402, 98.5307

### Deuteranopia

29.7814, 28.8459, 84.1189



## Tritanopia

42.6082, 28.2943, 16.5802

# Trichromacy



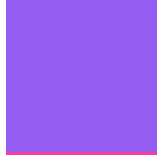
## Original Color

58.8107, 28.2883, 94.4560



## Protanomaly

34.3930, 21.2172, 96.0486



## Deuteranomaly

32.5190, 20.7235, 86.2905



## Tritanomaly

45.6053, 25.4361, 34.8537

# Monochromacy



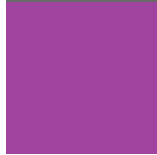
## Original Color

58.8107, 28.2883, 94.4560



## Achromatopsia

13.4271, 14.1263, 15.3836



## Achromatomaly

22.6759, 13.9565, 33.8465

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.8107, 28.2883, 94.4560 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, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 252)  
}
```

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, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 58.8107, 28.2883, 94.4560 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, 0, 252) }
```



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

```
.border{ border-color:rgb(255, 0, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.8107, 28.2883, 94.4560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 252) }
```

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

```
.background{ background-color: rgb(255, 0,  
252) }
```

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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