

Converting Colors

XYZ(58.7544, 28.2658, 94.1597)

Have a look what the booklet for
XYZ(58.7544, 28.2658, 94.1597)
contains.

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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

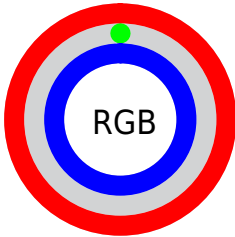
Format	Color
RYB	255, 0, 252
Decimal	16711932
CIELab	60.15, 97.84, -59.45
CIELCh	60, 114.488, 328.714
Yxy	28.2883, 0.3239, 0.1558
Android (android.graphics.Color)	4294902012 (0xFFFF00FC)
YUV	104.9730, 72.4843, 131.5737
Hunter-Lab	53.1867, 104.2977, -68.0642

Details

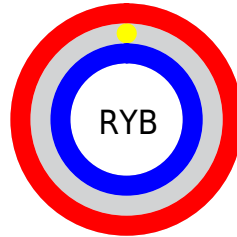
The XYZ color **58.8107, 28.2883, 94.4560** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.7773, 71.5270, 12.0079**, and the grayscale version is **13.2243, 13.9130, 15.1513**.

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**.

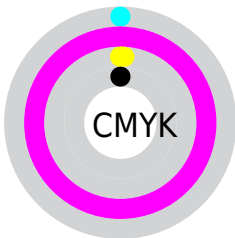
Distribution



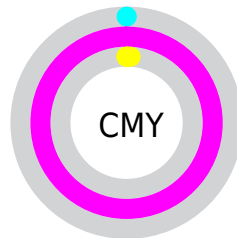
- Red (100%)
- Green (0%)
- Blue (99%)



- 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

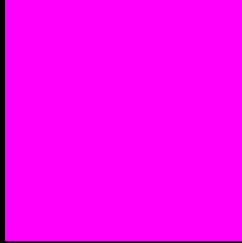
Large Text (above 18pt) WCAG AA ✓ Pass

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

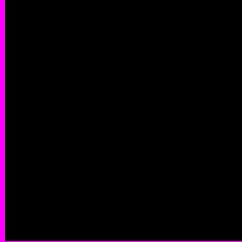
Large Text (above 18pt) WCAG AAA ✓ Pass

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



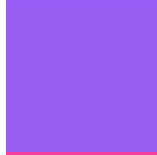
Original Color

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



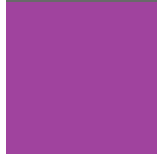
Original Color

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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