

Converting Colors

XYZ(59.2480, 28.4632, 96.7589)

Have a look what the booklet for
XYZ(59.2480, 28.4632, 96.7589)
contains.

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Color

**XYZ(59.2900, 28.4800,
96.9800)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00FF
RGB	255, 0, 255
RGB Percent	100%, 0%, 100%
CMY	0.0000, 0.9998, 0.0000
CMYK	0.00, 1.00, 0.00, 0.00
HSL	300°, 100%, 50%
HSV	300°, 100%, 100%
XYZ	59.2900, 28.4800, 96.9800
YIQ	105.3150, 70.1250, 133.3650

Conversions

Conversions Part 2

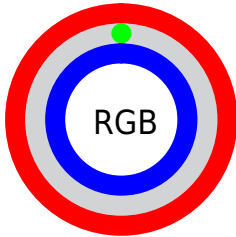
Format	Color
R _Y B	255, 0, 255
Decimal	16711935
CIE Lab	60.32, 98.25, -60.84
CIE LCh	60, 115.567, 328.233
Yxy	28.4800, 0.3209, 0.1542
Android (android.graphics.Color)	4294902015 (0xFFFF00FF)
YUV	105.3150, 73.7947, 131.2737
Hunter-Lab	53.3667, 104.9207, -70.3875

Details

The XYZ color **59.2900, 28.4800, 96.9800** is a light color, and the websafe version is hex **FF00FF**, and the color name is **fuchsia**. The color can be described as light saturated magenta. A complement of this color would be **35.7608, 71.5204, 11.9213**, and the grayscale version is **13.3128, 14.0061, 15.2526**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **32.0704, 15.3687, 54.0995** is the 20% darker color. If you saturate the color by 10%, you get **59.2900, 28.4800, 96.9800**, and if you desaturate by 10%, it is **59.6494, 29.1988, 97.0998**.

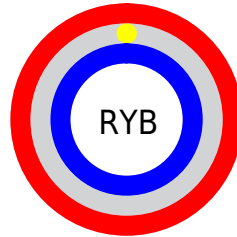
Distribution



Red (100%)

Green (0%)

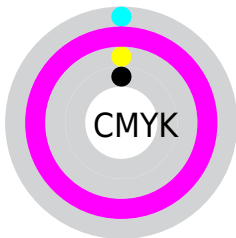
Blue (100%)



Red (100%)

Yellow (0%)

Blue (100%)

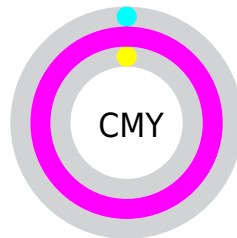


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2900, 28.4800, 96.9800 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 59.2900, 28.4800, 96.9800 by changing the saturation by 10% instead.


 59.2900, 28.4800,
96.9800


 59.2900, 28.4800,
96.9800


411.8526,
294.7535, 571.6300

 43.0939, 18.6878,
73.1781


 102.9112, 57.2499,
159.0163


 30.1536, 11.4449,
53.6289


 131.0671, 76.9963,
198.0877


 20.1039, 6.3669,
37.9139


 163.9402,
100.8297, 243.0860

 12.5793, 3.0695,
25.6145

 201.8960,
129.1343, 294.4297

 7.2145, 1.1681,
16.3123

 245.2997,
162.2946, 352.5375

 3.6441, 0.0354,
9.5887

294.5169,

 1.5028, 0.0000,

200.6950, 417.8277

5.0251

349.9127,
244.7198, 490.7190

■ 0.3278, 0.0000,
2.2030

■ 0.0000, 0.0000,
0.6761

■ 59.2900, 28.4800,
96.9800

■ 59.6494, 29.1988,
97.0998

■ 60.4758, 30.8516,
97.3753

■ 61.9122, 33.7243,
97.8541

■ 64.0458, 37.9916,
98.5653

66.9500, 43.8000,
99.5333

70.6886, 51.2773,
100.7795

75.3191, 60.5382,
102.3230

80.8936, 71.6872,
104.1812

87.4604, 84.8208,
106.3701

Harmonies

Analogous

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



42.9320, 28.4800, 173.0610



59.2900, 28.4800, 96.9800



66.7694, 28.4800, 33.5988

Triad

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



59.2900, 28.4800, 96.9800



27.9589, 28.4800, 0.0000



8.9114, 28.4800, 87.9419

Complementary

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



59.2900, 28.4800, 96.9800



35.7608, 71.5204, 11.9213

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.



7.3950, 28.4800, 28.5575



59.2900, 28.4800, 96.9800



15.6923, 28.4800, 0.1525

Square

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



59.2900, 28.4800, 96.9800



45.0382, 28.4800, 0.4017



9.3376, 28.4800, 4.8186



14.6564, 28.4800, 165.2527

Rectangle

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



59.2900, 28.4800, 96.9800



64.2127, 28.4800, 11.8277



9.3376, 28.4800, 4.8186



8.0085, 28.4800, 64.2409

Sweetspot

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



59.2905, 28.4810, 96.9802



75.3101, 60.5201, 102.3200



18.0511, 7.2213, 95.0502



15.6777, 12.0703, 21.7534



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.



59.2905, 28.4810, 96.9802



59.2900, 28.4800, 96.9800



45.1054, 22.8070, 22.2826



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Inverse Universe

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



59.2905, 28.4810, 96.9802



59.2900, 28.4800, 96.9800



39.6255, 73.0663, 32.2724



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 59.2900, 28.4800, 96.9800 looks on a white background.

Color Contrast Check

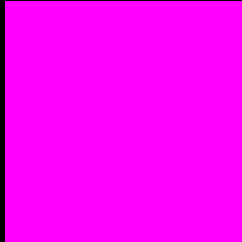
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.2900, 28.4800, 96.9800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

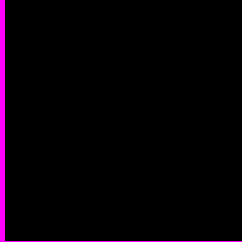
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.2900, 28.4800, 96.9800

Background



This preview shows how black text looks on a background with the XYZ color 59.2900, 28.4800, 96.9800.



This preview shows how white text looks on a background with the XYZ color 59.2900, 28.4800,

96.9800.

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

59.2900, 28.4800, 96.9800

Protanopia

32.3867, 29.1921, 98.5354

Deuteranopia

30.0924, 29.1849, 86.4853



Tritanopia

42.8076, 28.5266, 17.1599

Trichromacy



Original Color

59.2900, 28.4800, 96.9800



Protanomaly

34.7400, 21.3776, 96.9030



Deuteranomaly

32.6969, 20.8939, 88.6958

Tritanomaly

45.9226, 25.6525, 36.2492

Monochromacy



Original Color

59.2900, 28.4800, 96.9800



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

22.8495, 14.0260, 34.7607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2900, 28.4800, 96.9800 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, 255)` looks like.

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

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, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 59.2900, 28.4800, 96.9800 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, 255) }
```


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

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

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, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 59.2900, 28.4800, 96.9800 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, 255) }
```

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

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

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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