

Converting Colors

XYZ(59.4998, 28.8996, 97.0499)

Have a look what the booklet for
XYZ(59.4998, 28.8996, 97.0499)
contains.

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Color

**XYZ(59.5063, 28.9126,
97.0521)**

Conversions

Conversions Part 1

Format	Color
Hex	FF12FF
RGB	255, 18, 255
RGB Percent	100%, 7%, 100%
CMY	0.0000, 0.9293, 0.0000
CMYK	0.00, 0.93, 0.00, 0.00
HSL	300°, 100%, 54%
HSV	300°, 93%, 100%
XYZ	59.5063, 28.9126, 97.0521
YIQ	115.8810, 65.1750, 123.9510

Conversions

Conversions Part 2

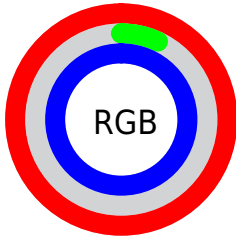
Format	Color
R _Y B	255, 18, 255
Decimal	16716543
CIE Lab	60.70, 97.12, -60.23
CIE LCh	61, 114.275, 328.194
Yxy	28.9126, 0.3208, 0.1559
Android (android.graphics.Color)	4294906623 (0xFFFF12FF)
YUV	115.8810, 68.5857, 122.0074
Hunter-Lab	53.7704, 103.4429, -69.3752

Details

The XYZ color **59.5063, 28.9126, 97.0521** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light washed magenta. A complement of this color would be **36.1195, 71.6927, 12.5080**, and the grayscale version is **16.3525, 17.2041, 18.7353**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, 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 **60.1733, 30.2466, 97.2744**.

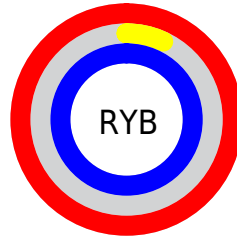
Distribution



Red (100%)

Green (7%)

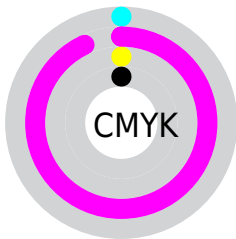
Blue (100%)



Red (100%)

Yellow (7%)

Blue (100%)

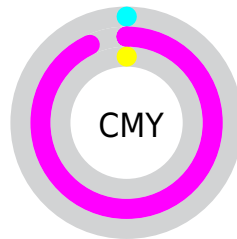


Cyan (0%)

Magenta (93%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (93%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5063, 28.9126, 97.0521 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 59.5063, 28.9126, 97.0521 by changing the saturation by 10% instead.


 59.5063, 28.9126,
97.0521


 59.5063, 28.9126,
97.0521


412.6396,
296.8024, 571.8652


 43.2688, 19.0147,
73.2378

 103.2236, 57.9382,
159.1165


 30.2915, 11.6809,
53.6774

 131.4340, 77.8347,
198.2037


 20.2091, 6.5268,
37.9524


 164.3662,
101.8329, 243.2190

 12.6563, 3.1680,
25.6442

 202.3854,
130.3171, 294.5809

 7.2677, 1.2200,
16.3343

 245.8569,
163.6717, 352.7079

 3.6779, 0.0780,
9.6041

295.1463,

 1.5216, 0.0000,

202.2812, 418.0186

5.0351

350.6187,
246.5300, 490.9315

■ 0.3404, 0.0000,
2.2088

■ 0.0000, 0.0000,
0.6794

■ 59.5063, 28.9126,
97.0521

■ 59.5063, 28.9126,
97.0521

■ 59.2900, 28.4800,
96.9800

■ 60.1733, 30.2466,
97.2744

■ 61.4200, 32.7400,
97.6900

■ 63.3400, 36.5801,
98.3300

■ 66.0101, 41.9203,
99.2200

69.4966, 48.8933,
100.3822

73.8587, 57.6173,
101.8362

79.1498, 68.1996,
103.5999

85.4194, 80.7387,
105.6898

92.7132, 95.3264,
108.1211

Harmonies

Analogous

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



43.2615, 28.9126, 172.0862



59.5063, 28.9126, 97.0521



66.9335, 28.9126, 34.1230

Triad

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



59.5063, 28.9126, 97.0521



28.3883, 28.9126, 0.0000



9.2401, 28.9126, 87.9201

Complementary

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



59.5063, 28.9126, 97.0521



36.1195, 71.6927, 12.5080

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.



7.7059, 28.9126, 28.9788



59.5063, 28.9126, 97.0521



16.0966, 28.9126, 0.2759

Square

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



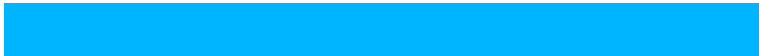
59.5063, 28.9126, 97.0521



45.4004, 28.9126, 0.5276



9.6811, 28.9126, 5.0845



15.0322, 28.9126, 164.2293

Rectangle

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



59.5063, 28.9126, 97.0521



64.4124, 28.9126, 12.2564



9.6811, 28.9126, 5.0845



8.3261, 28.9126, 64.4552

Sweetspot

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



59.5068, 28.9136, 97.0523



76.3475, 62.5950, 102.6658



18.5168, 7.7825, 95.1340



15.8725, 12.4599, 21.8184



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.



59.5068, 28.9136, 97.0523



59.2900, 28.4800, 96.9800



45.9374, 23.4859, 25.5970



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.



59.5068, 28.9136, 97.0523



59.2900, 28.4800, 96.9800



40.4907, 73.4412, 35.5265



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 59.5063, 28.9126, 97.0521 looks on a white background.

Color Contrast Check

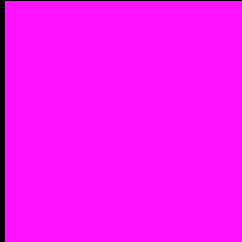
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.5063, 28.9126, 97.0521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

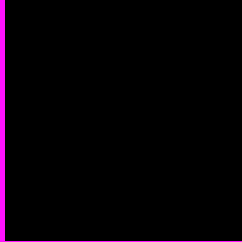
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.5063, 28.9126, 97.0521

Background



This preview shows how black text looks on a background with the XYZ color 59.5063, 28.9126, 97.0521.



This preview shows how white text looks on a background with the XYZ color 59.5063, 28.9126,

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

59.5063, 28.9126, 97.0521

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

30.2817, 29.2826, 86.4942



Tritanopia

42.9571, 28.7408, 17.4708

Trichromacy



Original Color

59.5063, 28.9126, 97.0521



Protanomaly

35.5546, 22.7277, 97.1207



Deuteranomaly

33.4330, 22.0965, 88.8891



Tritanomaly

46.3424, 26.4922, 36.3892

Monochromacy



Original Color

59.5063, 28.9126, 97.0521



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

25.7801, 16.7428, 38.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5063, 28.9126, 97.0521 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 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, 18, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 59.5063, 28.9126, 97.0521 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, 255) }
```


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

```
.border{ border-color:rgb(255, 18, 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, 18, 255)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 59.5063, 28.9126, 97.0521 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, 255) }
```

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

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