

Converting Colors

XYZ(59.3153, 28.5305, 96.9884)

Have a look what the booklet for
XYZ(59.3153, 28.5305, 96.9884)
contains.

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Color

**XYZ(59.3117, 28.5234,
96.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	FF02FF
RGB	255, 2, 255
RGB Percent	100%, 1%, 100%
CMY	0.0000, 0.9920, 0.0000
CMYK	0.00, 0.99, 0.00, 0.00
HSL	300°, 100%, 50%
HSV	300°, 99%, 100%
XYZ	59.3117, 28.5234, 96.9872
YIQ	106.4890, 69.5750, 132.3190

Conversions

Conversions Part 2

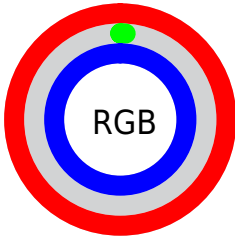
Format	Color
R _Y B	255, 2, 255
Decimal	16712447
CIE Lab	60.36, 98.14, -60.78
CIE LCh	60, 115.437, 328.229
Yxy	28.5234, 0.3209, 0.1543
Android (android.graphics.Color)	4294902527 (0xFFFF02FF)
YUV	106.4890, 73.2159, 130.2441
Hunter-Lab	53.4073, 104.7711, -70.2850

Details

The XYZ color **59.3117, 28.5234, 96.9872** 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 **35.7968, 71.5377, 11.9802**, and the grayscale version is **13.6327, 14.3427, 15.6192**.

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 **59.6945, 29.2891, 97.1148**.

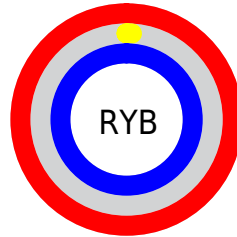
Distribution



Red (100%)

Green (1%)

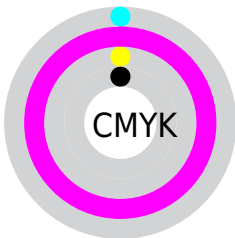
Blue (100%)



Red (100%)

Yellow (1%)

Blue (100%)

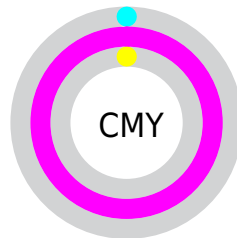


Cyan (0%)

Magenta (99%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (99%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3117, 28.5234, 96.9872 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 59.3117, 28.5234, 96.9872 by changing the saturation by 10% instead.


 59.3117, 28.5234,
96.9872


 59.3117, 28.5234,
96.9872

411.9316,
294.9595, 571.6535

 43.1114, 18.7206,
73.1840

 102.9426, 57.3190,
159.0263


 30.1674, 11.4685,
53.6337


 131.1039, 77.0806,
198.0993


 20.1144, 6.3829,
37.9177

 163.9830,
100.9305, 243.0993

 12.5870, 3.0793,
25.6175

 201.9451,
129.2532, 294.4448

 7.2198, 1.1733,
16.3145

 245.3557,
162.4331, 352.5545

 3.6475, 0.0397,
9.5902

294.5800,

 1.5047, 0.0000,

200.8545, 417.8468

5.0261

349.9835,
244.9018, 490.7403

■ 0.3290, 0.0000,
2.2036

■ 0.0000, 0.0000,
0.6764

■ 59.3117, 28.5234,
96.9872

■ 59.3117, 28.5234,
96.9872

■ 59.2900, 28.4800,
96.9800

■ 59.6945, 29.2891,
97.1148

■ 60.5651, 31.0303,
97.4050

■ 62.0532, 34.0065,
97.9011

■ 64.2448, 38.3896,
98.6316

67.2122, 44.3244,
99.6207

71.0188, 51.9375,
100.8896

75.7214, 61.3428,
102.4571

81.3720, 72.6440,
104.3407

88.0186, 85.9371,
106.5562

Harmonies

Analogous

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



42.9651, 28.5234, 172.9623



59.3117, 28.5234, 96.9872



66.7858, 28.5234, 33.6514

Triad

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



59.3117, 28.5234, 96.9872



28.0020, 28.5234, 0.0000



8.9442, 28.5234, 87.9395

Complementary

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



59.3117, 28.5234, 96.9872



35.7968, 71.5377, 11.9802

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.



7.4259, 28.5234, 28.5997



59.3117, 28.5234, 96.9872



15.7328, 28.5234, 0.1649

Square

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



59.3117, 28.5234, 96.9872



45.0746, 28.5234, 0.4144



9.3718, 28.5234, 4.8450



14.6940, 28.5234, 165.1490

Rectangle

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



59.3117, 28.5234, 96.9872



64.2328, 28.5234, 11.8705



9.3718, 28.5234, 4.8450



8.0402, 28.5234, 64.2624

Sweetspot

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



59.3122, 28.5244, 96.9874



75.3101, 60.5201, 102.3200



18.0978, 7.2776, 95.0586



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.



59.3122, 28.5244, 96.9874



59.2900, 28.4800, 96.9800



45.1929, 22.8767, 22.6365



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.



59.3122, 28.5244, 96.9874



59.2900, 28.4800, 96.9800



39.7163, 73.1055, 32.6203



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 59.3117, 28.5234, 96.9872 looks on a white background.

Color Contrast Check

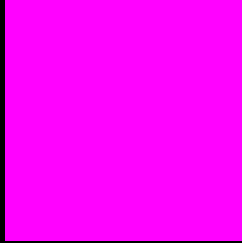
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.3117, 28.5234, 96.9872 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 59.3117, 28.5234, 96.9872

Background



This preview shows how black text looks on a background with the XYZ color 59.3117, 28.5234, 96.9872.



This preview shows how white text looks on a background with the XYZ color 59.3117, 28.5234,

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

59.3117, 28.5234, 96.9872

Protanopia

32.3867, 29.1921, 98.5354

Deuteranopia

30.0924, 29.1849, 86.4853



Tritanopia

42.8076, 28.5266, 17.1599

Trichromacy



Original Color

59.3117, 28.5234, 96.9872



Protanomaly

34.8260, 21.5497, 96.9317



Deuteranomaly

32.6969, 20.8939, 88.6958



Tritanomaly

45.9226, 25.6525, 36.2492

Monochromacy



Original Color

59.3117, 28.5234, 96.9872



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

23.2591, 14.4065, 35.2731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3117, 28.5234, 96.9872 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, 2, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 2, 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, 2, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 59.3117, 28.5234, 96.9872 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, 2, 255) }
```


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

```
.border{ border-color:rgb(255, 2, 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, 2, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 2, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 2, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 2,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3117, 28.5234, 96.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 2, 255) }
```

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

```
.background{ background-color: rgb(255, 2,  
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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