

Converting Colors

XYZ(59.1428, 30.3936, 90.1239)

Have a look what the booklet for
XYZ(59.1428, 30.3936, 90.1239)
contains.

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Color

**XYZ(59.1025, 30.3698,
89.9357)**

Conversions

Conversions Part 1

Format	Color
Hex	FF34F6
RGB	255, 52, 246
RGB Percent	100%, 20%, 96%
CMY	0.0000, 0.7960, 0.0353
CMYK	0.00, 0.80, 0.04, 0.00
HSL	303°, 100%, 60%
HSV	303°, 80%, 100%
XYZ	59.1025, 30.3698, 89.9357
YIQ	134.8130, 58.7140, 103.3700

Conversions

Conversions Part 2

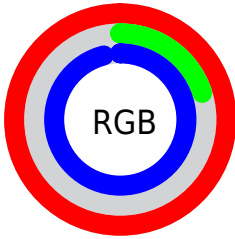
Format	Color
R _{YB}	255, 52, 246
Decimal	16725238
CIE _{Lab}	61.97, 90.68, -53.22
CIE _{LCh}	62, 105.145, 329.593
Yxy	30.3698, 0.3294, 0.1693
Android (android.graphics.Color)	4294915318 (0xFFFF34F6)
YUV	134.8130, 54.8152, 105.4040
Hunter-Lab	55.1088, 94.9954, -58.1831

Details

The XYZ color **59.1025, 30.3698, 89.9357** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **38.0195, 72.5875, 16.4236**, and the grayscale version is **22.7508, 23.9356, 26.0659**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **31.4334, 15.1435, 49.4104** is the 20% darker color. If you saturate the color by 10%, you get **58.0824, 28.6063, 88.7424**, and if you desaturate by 10%, it is **60.7386, 33.3633, 91.3402**.

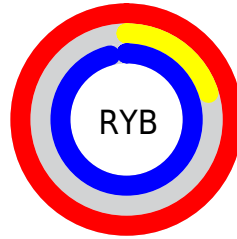
Distribution



Red (100%)

Green (20%)

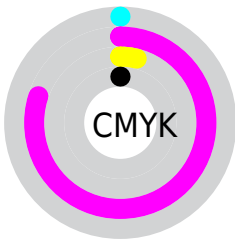
Blue (96%)



Red (100%)

Yellow (20%)

Blue (96%)

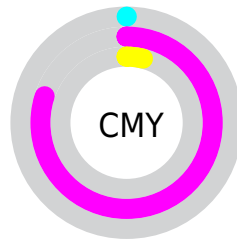


Cyan (0%)

Magenta (80%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.1025, 30.3698, 89.9357 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 59.1025, 30.3698, 89.9357 by changing the saturation by 10% instead.


 59.1025, 30.3698,
89.9357

 59.1025, 30.3698,
89.9357


411.1696,
303.6244, 548.3864


 42.9423, 20.1194,
67.3539


 102.6404, 60.2465,
149.1838


 30.0342, 12.4819,
48.9089


 130.7488, 80.6416,
186.6872


 20.0127, 7.0728,
34.1821


 163.5707,
105.1872, 230.0016

 12.5126, 3.5076,
22.7550

 201.4714,
134.2675, 279.5454

 7.1685, 1.4022,
14.2091

 244.8163,
168.2670, 335.7372

 3.6150, 0.2183,
8.1259

293.9708,

 1.4867, 0.0000,

207.5700, 398.9957

4.0867

349.3001,
252.5610, 469.7392

■ 0.3168, 0.0000,
1.6730

■ 0.0000, 0.0000,
0.3421

■ 59.1025, 30.3698,
89.9357

■ 59.1025, 30.3698,
89.9357

■ 58.0824, 28.6063,
88.7424

■ 60.7386, 33.3633,
91.3402

■ 57.5406, 27.7978,
87.7134

■ 63.0754, 37.7566,
92.9832

■ 57.5228, 27.7731,
87.6739

■ 66.1864, 43.6965,
94.8894

■ 70.1351, 51.3104,
97.0802

74.9789, 60.7125,
99.5745

80.7696, 72.0069,
102.3897

87.5554, 85.2898,
105.5419

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



44.4180, 30.3698, 156.8229



59.1025, 30.3698, 89.9357



65.3159, 30.3698, 33.6217

Triad

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



59.1025, 30.3698, 89.9357



29.0584, 30.3698, 0.1193



11.1353, 30.3698, 88.0887

Complementary

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



59.1025, 30.3698, 89.9357



38.0195, 72.5875, 16.4236

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.



9.3659, 30.3698, 32.5195



59.1025, 30.3698, 89.9357



17.4472, 30.3698, 1.0825

Square

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



59.1025, 30.3698, 89.9357



44.8637, 30.3698, 1.1399



11.2376, 30.3698, 7.2913



17.2100, 30.3698, 155.2725

Rectangle

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



59.1025, 30.3698, 89.9357



62.6505, 30.3698, 13.2765



11.2376, 30.3698, 7.2913



10.1259, 30.3698, 66.5067

Sweetspot

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



59.1032, 30.3710, 89.9363



78.1035, 66.8011, 101.1112



21.0691, 10.6002, 95.5433



16.2846, 13.4545, 21.4303



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.



59.1032, 30.3710, 89.9363



57.7021, 28.0220, 88.0723



47.7147, 25.8156, 29.9651



18.7558, 18.2856, 22.5973



30.0722, 14.5182, 45.8921



2.9384, 1.4177, 4.5229

Inverse Universe

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



59.1032, 30.3710, 89.9363



57.7021, 28.0220, 88.0723



43.5459, 74.7980, 45.5253



18.7558, 18.2856, 22.5973



30.0722, 14.5182, 45.8921



2.9384, 1.4177, 4.5229

Previews

White Background



This preview shows how the XYZ color 59.1025, 30.3698, 89.9357 looks on a white background.

Color Contrast Check

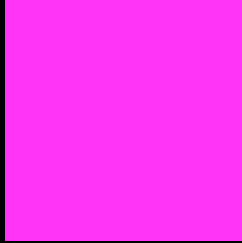
Large Text (above 18pt) WCAG AA × Fail

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 59.1025, 30.3698, 89.9357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

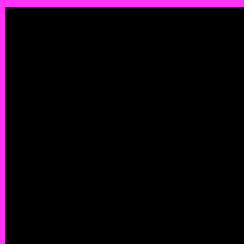
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.1025, 30.3698, 89.9357

Background



This preview shows how black text looks on a background with the XYZ color 59.1025, 30.3698, 89.9357.



This preview shows how white text looks on a background with the XYZ color 59.1025, 30.3698,

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

59.1025, 30.3698, 89.9357

Protanopia

33.8505, 30.8541, 98.7791

Deuteranopia

31.5352, 30.7647, 80.6200



Tritanopia

44.4103, 30.2011, 19.1115

Trichromacy



Original Color

59.1025, 30.3698, 89.9357



Protanomaly

37.2695, 25.7847, 95.1081



Deuteranomaly

36.0013, 25.7261, 83.1889



Tritanomaly

47.7668, 28.8216, 36.7637

Monochromacy



Original Color

59.1025, 30.3698, 89.9357



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

31.3798, 22.7820, 43.3009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1025, 30.3698, 89.9357 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, 52, 246)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 246)  
}
```

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, 52, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 246) }
```

Border

The CSS property to change the border of an element to XYZ 59.1025, 30.3698, 89.9357 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, 52, 246) }
```


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

```
.border{ border-color:rgb(255, 52, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 52, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 246);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1025, 30.3698, 89.9357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 246) }
```

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

```
.background{ background-color: rgb(255, 52,  
246) }
```

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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