

Converting Colors

XYZ(59.0465, 29.4073, 92.5387)

Have a look what the booklet for
XYZ(59.0465, 29.4073, 92.5387)
contains.

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Color

**XYZ(58.9698, 29.3613,
92.1818)**

Conversions

Conversions Part 1

Format	Color
Hex	FF24F9
RGB	255, 36, 249
RGB Percent	100%, 14%, 98%
CMY	0.0000, 0.8588, 0.0235
CMYK	0.00, 0.86, 0.02, 0.00
HSL	302°, 100%, 57%
HSV	302°, 86%, 100%
XYZ	58.9698, 29.3613, 92.1818
YIQ	125.7630, 62.1510, 112.6710

Conversions

Conversions Part 2

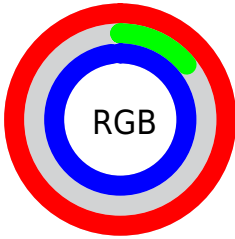
Format	Color
R _Y B	255, 36, 249
Decimal	16721145
CIE _{Lab}	61.10, 94.12, -56.27
CIE _{LCh}	61, 109.663, 329.127
Yxy	29.3613, 0.3267, 0.1627
Android (android.graphics.Color)	4294911225 (0xFFFF24F9)
YUV	125.7630, 60.7558, 113.3408
Hunter-Lab	54.1861, 99.4330, -62.9344

Details

The XYZ color **58.9698, 29.3613, 92.1818** 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 **36.9064, 72.0627, 14.1564**, and the grayscale version is **19.5399, 20.5575, 22.3871**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **31.5067, 15.1432, 51.1315** is the 20% darker color. If you saturate the color by 10%, you get **58.3444, 28.2845, 91.4370**, and if you desaturate by 10%, it is **60.1446, 31.5362, 93.1124**.

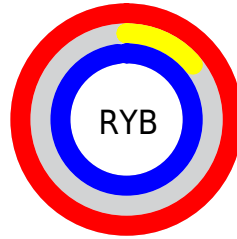
Distribution



Red (100%)

Green (14%)

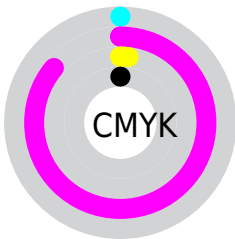
Blue (98%)



Red (100%)

Yellow (14%)

Blue (98%)

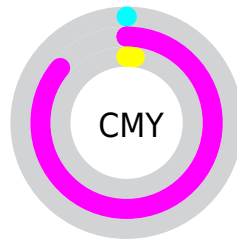


Cyan (0%)

Magenta (86%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9698, 29.3613, 92.1818 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 58.9698, 29.3613, 92.1818 by changing the saturation by 10% instead.


 58.9698, 29.3613,
92.1818

 58.9698, 29.3613,
92.1818

410.6858,
298.9159, 555.8551


 42.8351, 19.3543,
69.2078

 102.4486, 58.6506,
152.3272


 29.9497, 11.9266,
50.4081


 130.5235, 78.7018,
190.3357

 19.9483, 6.6937,
35.3643


 163.3091,
102.8697, 234.1927

 12.4655, 3.2713,
23.6579

 201.1708,
131.5389, 284.3168

 7.1360, 1.2750,
14.8702

 244.4740,
165.0937, 341.1266

 3.5944, 0.1217,
8.5827

293.5840,

 1.4753, 0.0000,

203.9186, 405.0405

4.3769

348.8661,
248.3978, 476.4772

■ 0.3090, 0.0000,
1.8343

■ 0.0000, 0.0000,
0.4505

■ 58.9698, 29.3613,
92.1818

■ 58.9698, 29.3613,
92.1818

■ 58.3444, 28.2845,
91.4370

■ 60.1446, 31.5362,
93.1124

■ 58.1854, 28.0382,
91.1633

■ 61.9673, 35.0062,
94.2607

■ 64.5192, 39.9339,
95.6539

■ 67.8691, 46.4571,
97.3152

72.0782, 54.6980,
99.2650

77.2015, 64.7666,
101.5214

83.2895, 76.7640,
104.1014

90.3891, 90.7838,
107.0207

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.



43.6301, 29.3613, 162.8590



58.9698, 29.3613, 92.1818



65.6479, 29.3613, 33.1900

Triad

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



58.9698, 29.3613, 92.1818



28.3300, 29.3613, 0.0000



10.0619, 29.3613, 88.0168

Complementary

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



58.9698, 29.3613, 92.1818



36.9064, 72.0627, 14.1564

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.



8.3952, 29.3613, 30.7792



58.9698, 29.3613, 92.1818



16.5039, 29.3613, 0.6675

Square

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



58.9698, 29.3613, 92.1818



44.6194, 29.3613, 0.7843



10.2766, 29.3613, 6.1310



15.9956, 29.3613, 159.3165

Rectangle

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



58.9698, 29.3613, 92.1818



62.9925, 29.3613, 12.4206



10.2766, 29.3613, 6.1310



9.0973, 29.3613, 65.5345

Sweetspot

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



58.9703, 29.3624, 92.1824



77.1320, 64.6298, 101.4914



19.5436, 8.9272, 95.3008



16.1076, 13.0430, 21.5487



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.



58.9703, 29.3624, 92.1824



58.1854, 28.0382, 91.1633



46.7433, 24.4715, 27.7955



18.7699, 18.2913, 22.6715



30.4128, 14.6544, 47.6858



2.9677, 1.4295, 4.6774

Inverse Universe

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



58.9703, 29.3624, 92.1824



58.1854, 28.0382, 91.1633



41.9256, 74.0704, 40.5873



18.7699, 18.2913, 22.6715



30.4128, 14.6544, 47.6858



2.9677, 1.4295, 4.6774

Previews

White Background



This preview shows how the XYZ color 58.9698, 29.3613, 92.1818 looks on a white background.

Color Contrast Check

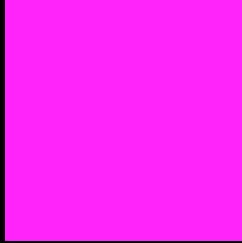
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.9698, 29.3613, 92.1818 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 58.9698, 29.3613, 92.1818

Background



This preview shows how black text looks on a background with the XYZ color 58.9698, 29.3613, 92.1818.



This preview shows how white text looks on a background with the XYZ color 58.9698, 29.3613,

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

58.9698, 29.3613, 92.1818

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.6223, 29.7746, 82.7304



Tritanopia

43.4469, 29.1321, 17.8012

Trichromacy



Original Color

58.9698, 29.3613, 92.1818



Protanomaly

36.1076, 24.0650, 95.6704



Deuteranomaly

34.5034, 23.7752, 85.2086



Tritanomaly

46.7257, 27.3993, 36.0836

Monochromacy



Original Color

58.9698, 29.3613, 92.1818



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

28.4986, 19.6532, 40.8195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9698, 29.3613, 92.1818 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, 36, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 249)  
}
```

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, 36, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 249) }
```

Border

The CSS property to change the border of an element to XYZ 58.9698, 29.3613, 92.1818 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, 36, 249) }
```


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

```
.border{ border-color:rgb(255, 36, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 36, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9698, 29.3613, 92.1818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 249) }
```

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

```
.background{ background-color: rgb(255, 36,  
249) }
```

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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