

Converting Colors

XYZ(58.2680, 28.0712, 91.5982)

Have a look what the booklet for
XYZ(58.2680, 28.0712, 91.5982)
contains.

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Color

**XYZ(58.3389, 28.0996,
91.9715)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00F9
RGB	255, 0, 249
RGB Percent	100%, 0%, 98%
CMY	0.0000, 0.9998, 0.0235
CMYK	0.00, 1.00, 0.02, 0.00
HSL	301°, 100%, 50%
HSV	301°, 100%, 100%
XYZ	58.3389, 28.0996, 91.9715
YIQ	104.6310, 72.0510, 131.4990

Conversions

Conversions Part 2

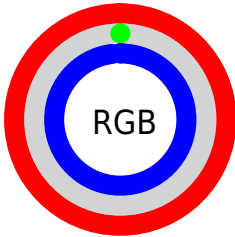
Format	Color
R _Y B	255, 0, 249
Decimal	16711929
CIE Lab	59.98, 97.43, -58.06
CIE LCh	60, 113.417, 329.208
Yxy	28.0996, 0.3270, 0.1575
Android (android.graphics.Color)	4294902009 (0xFFFF00F9)
YUV	104.6310, 71.1739, 131.8736
Hunter-Lab	53.0091, 103.6816, -65.7627

Details

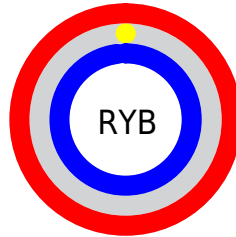
The XYZ color **58.3389, 28.0996, 91.9715** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.7938, 71.5336, 12.0945**, and the grayscale version is **13.1362, 13.8204, 15.0504**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.5067, 15.1432, 51.1315** is the 20% darker color. If you saturate the color by 10%, you get **58.3388, 28.0995, 91.9709**, and if you desaturate by 10%, it is **58.7922, 28.8561, 92.5855**.

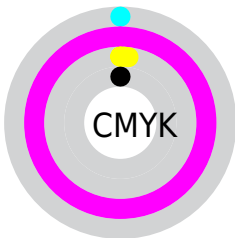
Distribution



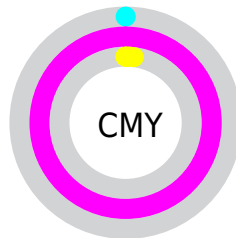
- Red (100%)
- Green (0%)
- Blue (98%)



- Red (100%)
- Yellow (0%)
- Blue (98%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3389, 28.0996, 91.9715 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 58.3389, 28.0996, 91.9715 by changing the saturation by 10% instead.


 58.3389, 28.0996,
91.9715


 58.3389, 28.0996,
91.9715

408.3811,
292.9425, 555.1581


 42.3255, 18.4008,
69.0341


 101.5363, 56.6434,
152.0332

 29.5485, 11.2381,
50.2675


 129.4511, 76.2572,
189.9946


 19.6425, 6.2272,
35.2533


 162.0636, 99.9447,
233.8011

 12.2422, 2.9837,
23.5730

 199.7394,
128.0904, 283.8711

 6.9822, 1.1232,
14.8079

 242.8436,
161.0786, 340.6233

 3.4972, 0.0000,
8.5395

291.7418,

 1.4218, 0.0000,

199.2938, 404.4762

4.3494

346.7991,
243.1203, 475.8483

■ 0.2717, 0.0000,
1.8189

■ 0.0000, 0.0000,
0.4404

■ 58.3389, 28.0996,
91.9715

■ 58.3389, 28.0996,
91.9715

■ 58.3388, 28.0995,
91.9709

■ 58.7922, 28.8561,
92.5855

■ 59.7128, 30.5467,
93.3564

■ 61.2436, 33.4573,
94.3321

■ 63.4720, 37.7627,
95.5419

66.4713, 43.6093,
97.0101

70.3053, 51.1249,
98.7581

75.0315, 60.4244,
100.8049

80.7020, 71.6120,
103.1680

87.3652, 84.7844,
105.8634

Harmonies

Analogous

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



42.6657, 28.0996, 165.5833



58.3389, 28.0996, 91.9715



65.1701, 28.0996, 31.7070

Triad

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



58.3389, 28.0996, 91.9715



27.0931, 28.0996, 0.0000



9.0714, 28.0996, 88.0666

Complementary

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



58.3389, 28.0996, 91.9715



35.7938, 71.5336, 12.0945

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.



7.4612, 28.0996, 29.5107



58.3389, 28.0996, 91.9715



15.3266, 28.0996, 0.3087

Square

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



58.3389, 28.0996, 91.9715



43.5797, 28.0996, 0.4183



9.2594, 28.0996, 5.2811



14.8725, 28.0996, 162.2215

Rectangle

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



58.3389, 28.0996, 91.9715



62.4148, 28.0996, 11.1907



9.2594, 28.0996, 5.2811



8.1398, 28.0996, 64.8956

Sweetspot

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



58.3395, 28.1006, 91.9720



75.0215, 60.4047, 100.8007



18.1043, 7.2488, 95.0527



15.6073, 12.0422, 21.3828



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.



58.3395, 28.1006, 91.9720



58.3388, 28.0995, 91.9709



44.8329, 22.6980, 20.8476



18.7731, 18.2926, 22.6884



30.4916, 14.6859, 48.1008



2.9745, 1.4322, 4.7131

Inverse Universe

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



58.3395, 28.1006, 91.9720



58.3388, 28.0995, 91.9709



39.9100, 73.1801, 33.7704



18.7731, 18.2926, 22.6884



30.4916, 14.6859, 48.1008



2.9745, 1.4322, 4.7131

Previews

White Background



This preview shows how the XYZ color 58.3389, 28.0996, 91.9715 looks on a white background.

Color Contrast Check

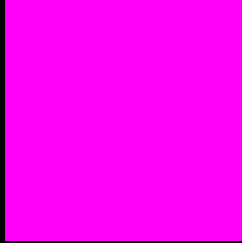
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.3389, 28.0996, 91.9715 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 58.3389, 28.0996, 91.9715

Background



This preview shows how black text looks on a background with the XYZ color 58.3389, 28.0996, 91.9715.



This preview shows how white text looks on a background with the XYZ color 58.3389, 28.0996,

91.9715.

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

58.3389, 28.0996, 91.9715

Protanopia

32.0374, 28.7901, 98.4762

Deuteranopia

29.6444, 28.8254, 81.8433



Tritanopia

42.8016, 28.2601, 16.2956

Trichromacy



Original Color

58.3389, 28.0996, 91.9715



Protanomaly

34.1483, 20.9835, 95.1789



Deuteranomaly

32.4432, 20.7361, 83.9539



Tritanomaly

45.4646, 25.2920, 34.3839

Monochromacy



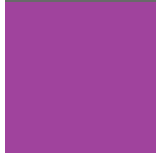
Original Color

58.3389, 28.0996, 91.9715



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

22.5902, 13.9222, 33.3949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3389, 28.0996, 91.9715 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 249) }
```

Border

The CSS property to change the border of an element to XYZ 58.3389, 28.0996, 91.9715 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, 249) }
```


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

```
.border{ border-color:rgb(255, 0, 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, 0, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 249);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3389, 28.0996, 91.9715 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, 249) }
```

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

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