

Converting Colors

XYZ(58.7403, 28.4385, 93.5350)

Have a look what the booklet for
XYZ(58.7403, 28.4385, 93.5350)
contains.

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Color

**XYZ(58.7611, 28.4421,
93.6596)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0AFB
RGB	255, 10, 251
RGB Percent	100%, 4%, 98%
CMY	0.0000, 0.9606, 0.0157
CMYK	0.00, 0.96, 0.02, 0.00
HSL	301°, 100%, 52%
HSV	301°, 96%, 100%
XYZ	58.7611, 28.4421, 93.6596
YIQ	110.7290, 68.6590, 126.8910

Conversions

Conversions Part 2

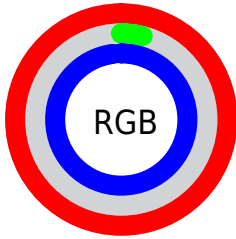
Format	Color
R _Y B	255, 10, 251
Decimal	16714491
CIE Lab	60.29, 97.13, -58.68
CIE LCh	60, 113.476, 328.861
Yxy	28.4421, 0.3249, 0.1573
Android (android.graphics.Color)	4294904571 (0xFFFF0AFB)
YUV	110.7290, 69.1536, 126.5257
Hunter-Lab	53.3311, 103.3447, -66.7927

Details

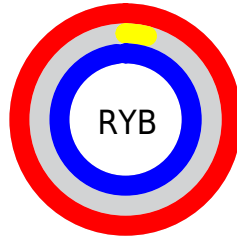
The XYZ color **58.7611, 28.4421, 93.6596** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9653, 71.6167, 12.3449**, and the grayscale version is **14.8315, 15.6039, 16.9927**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **31.7299, 15.2325, 52.3067** is the 20% darker color. If you saturate the color by 10%, you get **58.6268, 28.2147, 93.4876**, and if you desaturate by 10%, it is **59.3356, 29.4858, 94.1756**.

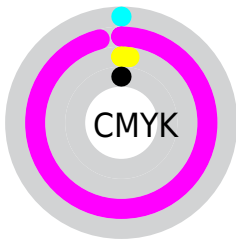
Distribution



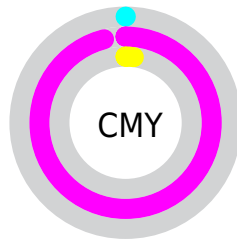
- Red (100%)
- Green (4%)
- Blue (98%)



- Red (100%)
- Yellow (4%)
- Blue (98%)



- Cyan (0%)
- Magenta (96%)
- Yellow (2%)
- Black (0%)





- Cyan (0%)
- Magenta (96%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.7611, 28.4421, 93.6596 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 58.7611, 28.4421, 93.6596 by changing the saturation by 10% instead.


 58.7611, 28.4421,
93.6596


 58.7611, 28.4421,
93.6596

409.9243,
294.5734, 560.7392


 42.6665, 18.6592,
70.4292


 102.1470, 57.1895,
154.3911

 29.8169, 11.4243,
51.3975


 130.1689, 76.9228,
192.7292


 19.8470, 6.3530,
36.1461


 162.8974,
100.7416, 236.9403

 12.3915, 3.0609,
24.2565

 200.6977,
129.0305, 287.4429

 7.0850, 1.1636,
15.3100

 243.9351,
162.1737, 344.6556

 3.5621, 0.0317,
8.8882

292.9752,

 1.4575, 0.0000,

200.5556, 408.9968

4.5725

348.1831,
244.5608, 480.8852

■ 0.2967, 0.0000,
1.9444

■ 0.0000, 0.0000,
0.5208

■ 58.7611, 28.4421,
93.6596

■ 58.7611, 28.4421,
93.6596

■ 58.6268, 28.2147,
93.4876

■ 59.3356, 29.4858,
94.1756

■ 60.4555, 31.6201,
94.8738

■ 62.2218, 35.0473,
95.7883

■ 64.7157, 39.9291,
96.9459

68.0063, 46.4042,
98.3698

72.1546, 54.5945,
100.0803

77.2159, 64.6106,
102.0959

83.2408, 76.5536,
104.4334

90.2761, 90.5172,
107.1084

Harmonies

Analogous

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



42.9181, 28.4421, 167.5683



58.7611, 28.4421, 93.6596



65.7808, 28.4421, 32.5890

Triad

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



58.7611, 28.4421, 93.6596



27.5934, 28.4421, 0.0000



9.1839, 28.4421, 88.0074

Complementary

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



58.7611, 28.4421, 93.6596



35.9653, 71.6167, 12.3449

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.



7.5955, 28.4421, 29.4029



58.7611, 28.4421, 93.6596



15.6493, 28.4421, 0.3188

Square

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



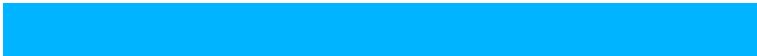
58.7611, 28.4421, 93.6596



44.2425, 28.4421, 0.4765



9.4573, 28.4421, 5.2617



14.9897, 28.4421, 162.7066

Rectangle

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



58.7611, 28.4421, 93.6596



63.1090, 28.4421, 11.6116



9.4573, 28.4421, 5.2617



8.2561, 28.4421, 64.7800

Sweetspot

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



58.7617, 28.4432, 93.6601



75.6302, 61.4706, 101.4707



18.2848, 7.5029, 95.0922



15.7266, 12.2443, 21.5351



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.



58.7617, 28.4432, 93.6601



58.6268, 28.2147, 93.4876



45.5498, 23.1584, 24.0873



18.7791, 18.2950, 22.7200



30.6396, 14.7451, 48.8801



2.9872, 1.4373, 4.7801

Inverse Universe

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



58.7617, 28.4432, 93.6601



58.6268, 28.2147, 93.4876



40.0865, 73.2651, 34.0468



18.7791, 18.2950, 22.7200



30.6396, 14.7451, 48.8801



2.9872, 1.4373, 4.7801

Previews

White Background



This preview shows how the XYZ color 58.7611, 28.4421, 93.6596 looks on a white background.

Color Contrast Check

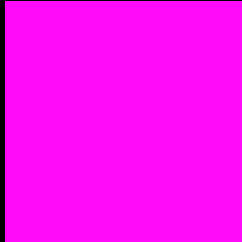
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.7611, 28.4421, 93.6596 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 58.7611, 28.4421, 93.6596

Background



This preview shows how black text looks on a background with the XYZ color 58.7611, 28.4421, 93.6596.



This preview shows how white text looks on a background with the XYZ color 58.7611, 28.4421,

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

58.7611, 28.4421, 93.6596

Protanopia

32.2861, 29.1402, 98.5307

Deuteranopia

29.8328, 28.8892, 83.3607



Tritanopia

42.9468, 28.4689, 16.5961

Trichromacy



Original Color

58.7611, 28.4421, 93.6596



Protanomaly

34.7441, 21.9195, 96.1656



Deuteranomaly

32.9144, 21.4796, 85.6303



Tritanomaly

45.8349, 25.8954, 34.9303

Monochromacy



Original Color

58.7611, 28.4421, 93.6596



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

24.0746, 15.2927, 35.8653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.7611, 28.4421, 93.6596 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, 10, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 10, 251)  
}
```

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, 10, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 10, 251) }
```

Border

The CSS property to change the border of an element to XYZ 58.7611, 28.4421, 93.6596 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, 10, 251) }
```


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

```
.border{ border-color:rgb(255, 10, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 10, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 10, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 10, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 10,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 58.7611, 28.4421, 93.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 10, 251) }
```

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

```
.background{ background-color: rgb(255, 10,  
251) }
```

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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