

Converting Colors

XYZ(59.0988, 28.3818, 96.9540)

Have a look what the booklet for
XYZ(59.0988, 28.3818, 96.9540)
contains.

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Color

**XYZ(58.9231, 28.2908,
96.9628)**

Conversions

Conversions Part 1

Format	Color
Hex	FE00FF
RGB	254, 0, 255
RGB Percent	100%, 0%, 100%
CMY	0.0039, 0.9998, 0.0000
CMYK	0.00, 1.00, 0.00, 0.00
HSL	300°, 100%, 50%
HSV	300°, 100%, 100%
XYZ	58.9231, 28.2908, 96.9628
YIQ	105.0160, 69.5290, 133.1530

Conversions

Conversions Part 2

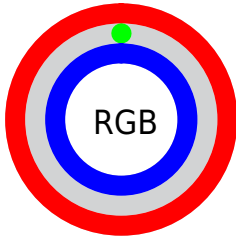
Format	Color
RYB	254, 0, 255
Decimal	16646399
CIELab	60.15, 98.10, -61.12
CIELCh	60, 115.585, 328.074
Yxy	28.2908, 0.3199, 0.1536
Android (android.graphics.Color)	4294836479 (0xFFFE00FF)
YUV	105.0160, 73.9421, 130.6590
Hunter-Lab	53.1891, 104.6621, -70.8523

Details

The XYZ color **58.9231, 28.2908, 96.9628** 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 **35.7732, 71.5268, 11.9218**, and the grayscale version is **13.2316, 13.9206, 15.1596**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.8163, 15.2377, 54.0876** is the 20% darker color. If you saturate the color by 10%, you get **58.9237, 28.2912, 96.9629**, and if you desaturate by 10%, it is **59.3196, 29.0287, 97.0843**.

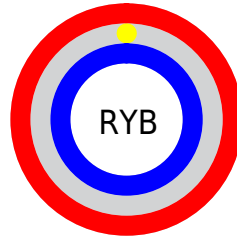
Distribution



Red (100%)

Green (0%)

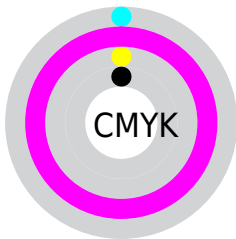
Blue (100%)



Red (100%)

Yellow (0%)

Blue (100%)

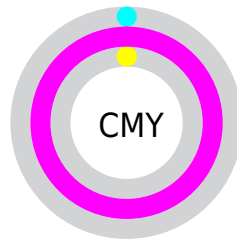


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9231, 28.2908, 96.9628 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 58.9231, 28.2908, 96.9628 by changing the saturation by 10% instead.


 58.9231, 28.2908,
96.9628


 58.9231, 28.2908,
96.9628

410.5155,
293.8539, 571.5738


 42.7973, 18.5450,
73.1638


 102.3812, 56.9484,
158.9923


 29.9200, 11.3420,
53.6173


 130.4442, 76.6289,
198.0600


 19.9256, 6.2973,
37.9047


 163.2170,
100.3899, 243.0542

 12.4489, 3.0267,
25.6075

 201.0650,
128.6156, 294.3937

 7.1246, 1.1457,
16.3071

 244.3534,
161.6904, 352.4968

 3.5871, 0.0167,
9.5850

293.4478,

 1.4713, 0.0000,

199.9988, 417.7822

5.0227

348.7134,
243.9252, 490.6683

■ 0.3062, 0.0000,
2.2016

■ 0.0000, 0.0000,
0.6753

■ 58.9231, 28.2908,
96.9628

■ 58.9231, 28.2908,
96.9628

■ 58.9237, 28.2912,
96.9629

■ 59.3196, 29.0287,
97.0843

■ 60.1825, 30.7001,
97.3615

■ 61.6553, 33.5915,
97.8420

■ 63.8255, 37.8774,
98.5548

66.7661, 43.7044,
99.5246

70.5413, 51.2003,
100.7725

75.2082, 60.4798,
102.3176

80.8193, 71.6475,
104.1774

87.4226, 84.7996,
106.3680

Harmonies

Analogous

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



42.5962, 28.2908, 172.7821



58.9231, 28.2908, 96.9628



66.4444, 28.2908, 33.6193

Triad

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



58.9231, 28.2908, 96.9628



27.8554, 28.2908, 0.0000



8.8063, 28.2908, 87.1442

Complementary

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



58.9231, 28.2908, 96.9628



35.7732, 71.5268, 11.9218

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.



7.3185, 28.2908, 28.1502



58.9231, 28.2908, 96.9628



15.6140, 28.2908, 0.1204

Square

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



58.9231, 28.2908, 96.9628



44.8826, 28.2908, 0.3920



9.2677, 28.2908, 4.7025



14.4913, 28.2908, 164.2947

Rectangle

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



58.9231, 28.2908, 96.9628



63.9438, 28.2908, 11.8297



9.2677, 28.2908, 4.7025



7.9161, 28.2908, 63.5659

Sweetspot

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



58.9242, 28.2921, 96.9630



75.2000, 60.4634, 102.3149



18.0971, 7.3134, 95.0655



15.6508, 12.0565, 21.7522



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.



58.9242, 28.2921, 96.9630



58.9237, 28.2912, 96.9629



45.3896, 22.9205, 23.7791



18.7853, 18.2966, 22.7914



30.7922, 14.7844, 50.6653



3.0003, 1.4406, 4.9332

Inverse Universe

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



41.2461, 21.2632, 1.9601



41.2455, 21.2622, 1.9588



39.3527, 72.9571, 30.8361



18.0123, 17.9882, 18.6821



21.5529, 11.1104, 1.0301



2.0995, 1.0822, 0.1054

Previews

White Background



This preview shows how the XYZ color 58.9231, 28.2908, 96.9628 looks on a white background.

Color Contrast Check

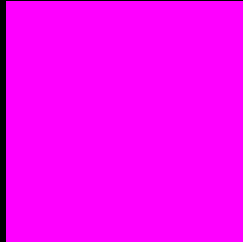
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.9231, 28.2908, 96.9628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

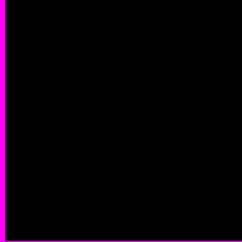
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.9231, 28.2908, 96.9628

Background



This preview shows how black text looks on a background with the XYZ color 58.9231, 28.2908, 96.9628.



This preview shows how white text looks on a background with the XYZ color 58.9231, 28.2908,

96.9628.

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

58.9231, 28.2908, 96.9628

Protanopia

32.2861, 29.1402, 98.5307

Deuteranopia

29.9996, 29.1371, 86.4810



Tritanopia

42.4709, 28.3530, 17.1441

Trichromacy



Original Color

58.9231, 28.2908, 96.9628



Protanomaly

34.5536, 21.2815, 96.8943



Deuteranomaly

32.5168, 20.8010, 88.6874

Tritanomaly

45.5746, 25.4731, 36.2330

Monochromacy



Original Color

58.9231, 28.2908, 96.9628



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

22.6504, 13.9233, 34.7514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9231, 28.2908, 96.9628 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(254, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 0, 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(254, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.9231, 28.2908, 96.9628 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(254, 0, 255) }
```


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

```
.border{ border-color:rgb(254, 0, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 0, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(254, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9231, 28.2908, 96.9628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 0, 255) }
```

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

```
.background{ background-color: rgb(254, 0,  
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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