

Converting Colors

XYZ(59.0314, 28.3766, 95.6183)

Have a look what the booklet for
XYZ(59.0314, 28.3766, 95.6183)
contains.

XYZ(58.9696, 28.3518, 95.2929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(58.9696, 28.3518,
95.2929)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00FD
RGB	255, 0, 253
RGB Percent	100%, 0%, 99%
CMY	0.0000, 0.9998, 0.0078
CMYK	0.00, 1.00, 0.01, 0.00
HSL	300°, 100%, 50%
HSV	300°, 100%, 100%
XYZ	58.9696, 28.3518, 95.2929
YIQ	105.0870, 70.7670, 132.7430

Conversions

Conversions Part 2

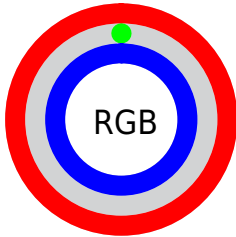
Format	Color
R _Y B	255, 0, 253
Decimal	16711933
CIE _{Lab}	60.21, 97.98, -59.92
CIE _{LCh}	60, 114.847, 328.552
Yxy	28.3518, 0.3229, 0.1553
Android (android.graphics.Color)	4294902013 (0xFFFF00FD)
YUV	105.0870, 72.9211, 131.4737
Hunter-Lab	53.2464, 104.5049, -68.8364

Details

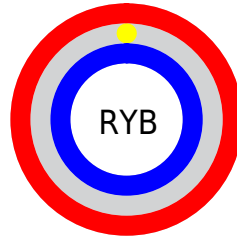
The XYZ color **58.9696, 28.3518, 95.2929** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.7717, 71.5248, 11.9790**, and the grayscale version is **13.2533, 13.9435, 15.1845**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.8426, 15.2776, 52.9003** is the 20% darker color. If you saturate the color by 10%, you get **58.9696, 28.3519, 95.2930**, and if you desaturate by 10%, it is **59.3609, 29.0834, 95.5810**.

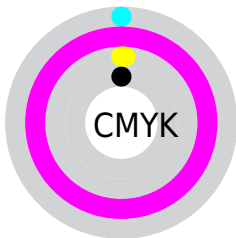
Distribution



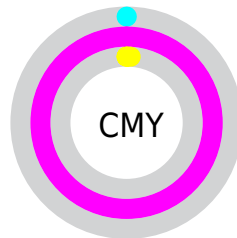
- Red (100%)
- Green (0%)
- Blue (99%)



- Red (100%)
- Yellow (0%)
- Blue (99%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.9696, 28.3518, 95.2929 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 58.9696, 28.3518, 95.2929 by changing the saturation by 10% instead.


 58.9696, 28.3518,
95.2929


 58.9696, 28.3518,
95.2929

410.6851,
294.1441, 566.1105

 42.8349, 18.5910,
71.7805


 102.4484, 57.0456,
156.6683


 29.9496, 11.3751,
52.4937


 130.5232, 76.7474,
195.3683


 19.9482, 6.3197,
37.0138


 163.3087,
100.5317, 239.9681

 12.4654, 3.0405,
24.9223

 201.1703,
128.7829, 290.8860

 7.1359, 1.1529,
15.8007

 244.4735,
161.8853, 348.5407

 3.5943, 0.0227,
9.2304

293.5834,

 1.4753, 0.0000,

200.2234, 413.3506

4.7929

348.8655,
244.1816, 485.7344

■ 0.3089, 0.0000,
2.0697

■ 0.0000, 0.0000,
0.5976

■ 58.9696, 28.3518,
95.2929

■ 58.9696, 28.3518,
95.2929

■ 58.9696, 28.3519,
95.2930

■ 59.3609, 29.0834,
95.5810

■ 60.2192, 30.7488,
96.0245

■ 61.6875, 33.6343,
96.6715

■ 63.8531, 37.9142,
97.5512

66.7892, 43.7353,
98.6878

70.5598, 51.2253,
100.1028

75.2223, 60.4989,
101.8152

80.8289, 71.6606,
103.8425

87.4278, 84.8069,
106.2008

Harmonies

Analogous

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



42.8409, 28.3518, 170.5446



58.9696, 28.3518, 95.2929



66.2317, 28.3518, 32.9613

Triad

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



58.9696, 28.3518, 95.2929



27.6681, 28.3518, 0.0000



8.9639, 28.3518, 87.9773

Complementary

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



58.9696, 28.3518, 95.2929



35.7717, 71.5248, 11.9790

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.



7.4165, 28.3518, 28.8696



58.9696, 28.3518, 95.2929



15.5696, 28.3518, 0.2043

Square

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



58.9696, 28.3518, 95.2929



44.5482, 28.3518, 0.4072



9.3111, 28.3518, 4.9687



14.7271, 28.3518, 164.2317

Rectangle

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



58.9696, 28.3518, 95.2929



63.6085, 28.3518, 11.6132



9.3111, 28.3518, 4.9687



8.0515, 28.3518, 64.4534

Sweetspot

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



58.9702, 28.3528, 95.2934



75.2136, 60.4815, 101.8121



18.0510, 7.2212, 95.0502



15.6542, 12.0609, 21.6295



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.



58.9702, 28.3528, 95.2934



58.9696, 28.3519, 95.2930



45.1053, 22.8069, 22.2822



18.7862, 18.2978, 22.7573



30.8158, 14.8156, 49.8076



3.0023, 1.4433, 4.8597

Inverse Universe

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



58.9702, 28.3528, 95.2934



58.9696, 28.3519, 95.2930



39.6254, 73.0662, 32.2721



18.7862, 18.2978, 22.7573



30.8158, 14.8156, 49.8076



3.0023, 1.4433, 4.8597

Previews

White Background



This preview shows how the XYZ color 58.9696, 28.3518, 95.2929 looks on a white background.

Color Contrast Check

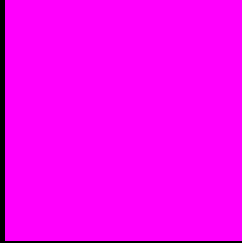
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.9696, 28.3518, 95.2929 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

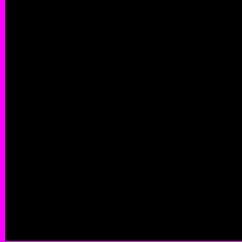
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.9696, 28.3518, 95.2929

Background



This preview shows how black text looks on a background with the XYZ color 58.9696, 28.3518, 95.2929.



This preview shows how white text looks on a background with the XYZ color 58.9696, 28.3518,

95.2929.

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

58.9696, 28.3518, 95.2929

Protanopia

32.2861, 29.1402, 98.5307

Deuteranopia

29.9862, 29.1643, 84.9378



Tritanopia

42.6600, 28.3150, 16.8526

Trichromacy



Original Color

58.9696, 28.3518, 95.2929



Protanomaly

34.3930, 21.2172, 96.0486



Deuteranomaly

32.5748, 20.8660, 87.1047

Tritanomaly

45.6917, 25.4707, 35.3090

Monochromacy



Original Color

58.9696, 28.3518, 95.2929



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

22.7624, 13.9911, 34.3017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.9696, 28.3518, 95.2929 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 253) }
```

Border

The CSS property to change the border of an element to XYZ 58.9696, 28.3518, 95.2929 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, 253) }
```


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

```
.border{ border-color:rgb(255, 0, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 58.9696, 28.3518, 95.2929 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, 253) }
```

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

```
.background{ background-color: rgb(255, 0,  
253) }
```

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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