

Converting Colors

XYZ(58.3354, 28.1065, 96.9582)

Have a look what the booklet for
XYZ(58.3354, 28.1065, 96.9582)
contains.

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Color

**XYZ(58.2709, 28.0674,
96.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	FC07FF
RGB	252, 7, 255
RGB Percent	99%, 3%, 100%
CMY	0.0118, 0.9724, 0.0000
CMYK	0.01, 0.97, 0.00, 0.00
HSL	299°, 100%, 51%
HSV	299°, 97%, 100%
XYZ	58.2709, 28.0674, 96.9541
YIQ	108.5270, 66.4120, 129.0680

Conversions

Conversions Part 2

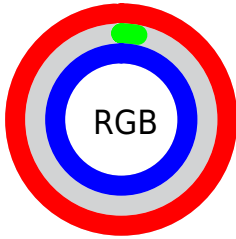
Format	Color
R_{YB}	252, 7, 255
Decimal	16517119
CIE _{Lab}	59.95, 97.39, -61.46
CIE _{LCh}	60, 115.163, 327.743
Yxy	28.0674, 0.3179, 0.1531
Android (android.graphics.Color)	4294707199 (0xFFFC07FF)
YUV	108.5270, 72.2112, 125.8258
Hunter-Lab	52.9787, 103.6183, -71.4191

Details

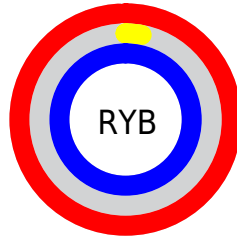
The XYZ color **58.2709, 28.0674, 96.9541** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9243, 71.6002, 12.1291**, and the grayscale version is **14.1992, 14.9387, 16.2682**.

A 20% lighter version of the original color is **64.4440, 38.7881, 98.6980**, and **31.3132, 14.9784, 54.0640** is the 20% darker color. If you saturate the color by 10%, you get **58.1647, 27.8999, 96.9273**, and if you desaturate by 10%, it is **58.8386, 29.0359, 97.1111**.

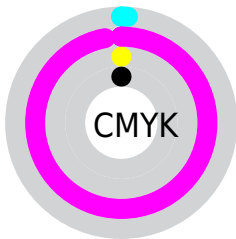
Distribution



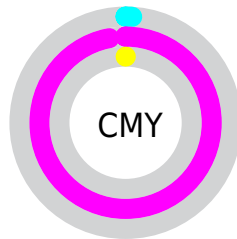
- Red (99%)
- Green (3%)
- Blue (100%)



- Red (99%)
- Yellow (3%)
- Blue (100%)



- Cyan (1%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (97%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2709, 28.0674, 96.9541 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 58.2709, 28.0674, 96.9541 by changing the saturation by 10% instead.


 58.2709, 28.0674,
96.9541

 58.2709, 28.0674,
96.9541

408.1322,
292.7888, 571.5454


 42.2706, 18.3765,
73.1566


 101.4379, 56.5920,
158.9802

 29.5053, 11.2206,
53.6114


 129.3354, 76.1945,
198.0460


 19.6096, 6.2154,
37.9000


 161.9292, 99.8697,
243.0382

 12.2182, 2.9765,
25.6039

 199.5849,
128.0018, 294.3754

 6.9657, 1.1195,
16.3044

 242.6676,
160.9755, 352.4762

 3.4868, 0.0000,
9.5831

291.5429,

 1.4161, 0.0000,

199.1749, 417.7591

5.0215

346.5759,
242.9846, 490.6427

■ 0.2677, 0.0000,
2.2009

■ 0.0000, 0.0000,
0.6749

■ 58.2709, 28.0674,
96.9541

■ 58.2709, 28.0674,
96.9541

■ 58.1647, 27.8999,
96.9273

■ 58.8386, 29.0359,
97.1111

■ 59.9344, 31.0615,
97.4443

■ 61.6663, 34.3587,
97.9895

■ 64.1168, 39.0931,
98.7741

67.3564, 45.4053,
99.8218

71.4470, 53.4191,
101.1530

76.4443, 63.2463,
102.7864

82.3995, 74.9888,
104.7391

89.3597, 88.7413,
107.0268

Harmonies

Analogous

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



42.0462, 28.0674, 171.8778



58.2709, 28.0674, 96.9541



65.8564, 28.0674, 33.8473

Triad

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



58.2709, 28.0674, 96.9541



27.8014, 28.0674, 0.0000



8.7126, 28.0674, 85.5574

Complementary

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



58.2709, 28.0674, 96.9541



35.9243, 71.6002, 12.1291

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.



7.2753, 28.0674, 27.4939



58.2709, 28.0674, 96.9541



15.6005, 28.0674, 0.1005

Square

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



58.2709, 28.0674, 96.9541



44.7011, 28.0674, 0.4176



9.2491, 28.0674, 4.5657



14.2957, 28.0674, 162.0297

Rectangle

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



58.2709, 28.0674, 96.9541



63.4793, 28.0674, 11.9860



9.2491, 28.0674, 4.5657



7.8435, 28.0674, 62.3063

Sweetspot

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



58.2720, 28.0687, 96.9543



75.4958, 61.3789, 102.4760



18.2598, 7.5088, 95.0947



15.6936, 12.2218, 21.7818



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.



58.2720, 28.0687, 96.9543



58.1647, 27.8999, 96.9273



45.7004, 23.1665, 25.0414



18.7697, 18.2885, 22.7907



30.4023, 14.5834, 50.6471



2.9669, 1.4234, 4.9316

Inverse Universe

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



41.3714, 21.4349, 2.2451



41.2569, 21.2668, 2.0190



39.6716, 73.0948, 32.0584



18.0183, 17.9906, 18.7136



21.5615, 11.1139, 1.0752



2.1024, 1.0833, 0.1204

Previews

White Background



This preview shows how the XYZ color 58.2709, 28.0674, 96.9541 looks on a white background.

Color Contrast Check

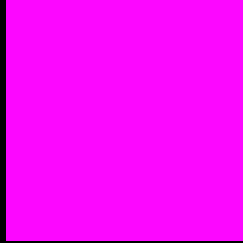
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.2709, 28.0674, 96.9541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

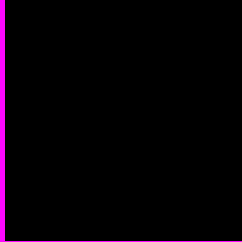
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.2709, 28.0674, 96.9541

Background



This preview shows how black text looks on a background with the XYZ color 58.2709, 28.0674, 96.9541.



This preview shows how white text looks on a background with the XYZ color 58.2709, 28.0674,

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

58.2709, 28.0674, 96.9541

Protanopia

31.9395, 28.7397, 98.4717

Deuteranopia

29.5743, 28.6880, 86.4167



Tritanopia

41.8031, 28.0087, 17.1129

Trichromacy



Original Color

58.2709, 28.0674, 96.9541



Protanomaly

34.3588, 21.4383, 96.9348



Deuteranomaly

32.0752, 20.7063, 88.6924



Tritanomaly

44.9992, 25.3469, 36.2389

Monochromacy



Original Color

58.2709, 28.0674, 96.9541



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

23.5369, 14.8204, 35.8025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2709, 28.0674, 96.9541 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(252, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 7, 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(252, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 7, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2709, 28.0674, 96.9541 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(252, 7, 255) }
```


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

```
.border{ border-color:rgb(252, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(252, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 7,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2709, 28.0674, 96.9541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 7, 255) }
```

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

```
.background{ background-color: rgb(252, 7,  
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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