

Converting Colors

XYZ(58.4573, 28.0507, 96.9410)

Have a look what the booklet for
XYZ(58.4573, 28.0507, 96.9410)
contains.

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Color

**XYZ(58.5580, 28.1026,
96.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	FD00FF
RGB	253, 0, 255
RGB Percent	99%, 0%, 100%
CMY	0.0078, 0.9998, 0.0000
CMYK	0.01, 1.00, 0.00, 0.00
HSL	300°, 100%, 50%
HSV	300°, 100%, 100%
XYZ	58.5580, 28.1026, 96.9457
YIQ	104.7170, 68.9330, 132.9410

Conversions

Conversions Part 2

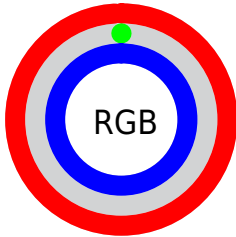
Format	Color
R _Y B	253, 0, 255
Decimal	16580863
CIE Lab	59.98, 97.95, -61.40
CIE LCh	60, 115.604, 327.916
Yxy	28.1026, 0.3189, 0.1531
Android (android.graphics.Color)	4294770943 (0xFFFD00FF)
YUV	104.7170, 74.0895, 130.0442
Hunter-Lab	53.0119, 104.4039, -71.3185

Details

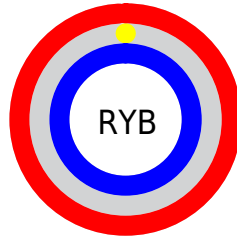
The XYZ color **58.5580, 28.1026, 96.9457** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.7858, 71.5333, 11.9224**, and the grayscale version is **13.1512, 13.8361, 15.0675**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **31.5639, 15.1076, 54.0758** is the 20% darker color. If you saturate the color by 10%, you get **58.5585, 28.1029, 96.9458**, and if you desaturate by 10%, it is **58.9908, 28.8591, 97.0690**.

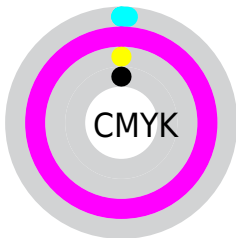
Distribution



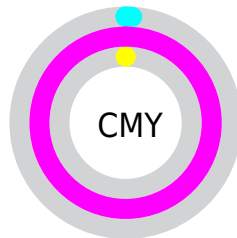
- Red (99%)
- Green (0%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5580, 28.1026, 96.9457 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 58.5580, 28.1026, 96.9457 by changing the saturation by 10% instead.


 58.5580, 28.1026,
96.9457

 58.5580, 28.1026,
96.9457

409.1824,
292.9569, 571.5180


 42.5024, 18.4030,
73.1496

 101.8533, 56.6482,
158.9686


 29.6877, 11.2397,
53.6058


 129.8237, 76.2630,
198.0324


 19.7486, 6.2283,
37.8955


 162.4965, 99.9517,
243.0227

 12.3196, 2.9844,
25.6004

 200.2369,
128.0986, 294.3578

 7.0355, 1.1236,
16.3019

 243.4103,
161.0882, 352.4564

 3.5308, 0.0000,
9.5814

292.3821,

 1.4403, 0.0000,

199.3049, 417.7369

5.0203

347.5177,
243.1329, 490.6179

■ 0.2847, 0.0000,
2.2002

■ 0.0000, 0.0000,
0.6745

■ 58.5580, 28.1026,
96.9457

■ 58.5580, 28.1026,
96.9457

■ 58.5585, 28.1029,
96.9458

■ 58.9908, 28.8591,
97.0690

■ 59.8900, 30.5494,
97.3478

■ 61.3992, 33.4595,
97.8300

■ 63.6058, 37.7642,
98.5446

66.5829, 43.6100,
99.5160

70.3946, 51.1248,
100.7656

75.0982, 60.4232,
102.3125

80.7459, 71.6098,
104.1740

87.3860, 84.7809,
106.3664

Harmonies

Analogous

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



42.2624, 28.1026, 172.5037



58.5580, 28.1026, 96.9457



66.1208, 28.1026, 33.6399

Triad

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



58.5580, 28.1026, 96.9457



27.7524, 28.1026, 0.0000



8.7021, 28.1026, 86.3519

Complementary

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



58.5580, 28.1026, 96.9457



35.7858, 71.5333, 11.9224

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.



7.2427, 28.1026, 27.7470



58.5580, 28.1026, 96.9457



15.5360, 28.1026, 0.0884

Square

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



58.5580, 28.1026, 96.9457



44.7275, 28.1026, 0.3823



9.1982, 28.1026, 4.5884



14.3275, 28.1026, 163.3411

Rectangle

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



58.5580, 28.1026, 96.9457



63.6758, 28.1026, 11.8318



9.1982, 28.1026, 4.5884



7.8244, 28.1026, 62.8960

Sweetspot

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



58.5591, 28.1039, 96.9459



75.0898, 60.4066, 102.3097



18.0971, 7.3134, 95.0655



15.6240, 12.0426, 21.7509



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.



58.5591, 28.1039, 96.9459



58.5585, 28.1029, 96.9458



45.3896, 22.9206, 23.7792



18.7778, 18.2927, 22.7911



30.6046, 14.6877, 50.6566



2.9842, 1.4323, 4.9325

Inverse Universe

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



41.2516, 21.2654, 1.9890



41.2509, 21.2644, 1.9877



39.3527, 72.9571, 30.8361



18.0152, 17.9894, 18.6972



21.5570, 11.1121, 1.0517



2.1009, 1.0827, 0.1126

Previews

White Background



This preview shows how the XYZ color 58.5580, 28.1026, 96.9457 looks on a white background.

Color Contrast Check

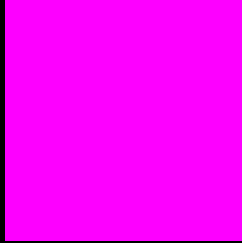
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.5580, 28.1026, 96.9457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

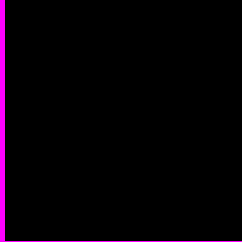
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.5580, 28.1026, 96.9457

Background



This preview shows how black text looks on a background with the XYZ color 58.5580, 28.1026, 96.9457.



This preview shows how white text looks on a background with the XYZ color 58.5580, 28.1026,

96.9457.

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

58.5580, 28.1026, 96.9457

Protanopia

32.0374, 28.7901, 98.4762

Deuteranopia

29.7534, 28.7803, 86.4251



Tritanopia

42.1361, 28.1804, 17.1285

Trichromacy



Original Color

58.5580, 28.1026, 96.9457



Protanomaly

34.2838, 21.0164, 96.8573



Deuteranomaly

32.2498, 20.5323, 88.6496

Tritanomaly

45.2286, 25.2947, 36.2168

Monochromacy



Original Color

58.5580, 28.1026, 96.9457



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 58.5580, 28.1026, 96.9457 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(253, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 0, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 58.5580, 28.1026, 96.9457 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(253, 0, 255) }
```


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

```
.border{ border-color:rgb(253, 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(253, 0, 255) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 58.5580, 28.1026, 96.9457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 255) }
```

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

```
.background{ background-color: rgb(253, 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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