

Converting Colors

XYZ(58.7773, 28.3439, 96.0798)

Have a look what the booklet for
XYZ(58.7773, 28.3439, 96.0798)
contains.

XYZ(58.8384, 28.3785, 96.1424)	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(58.8384, 28.3785,
96.1424)**

Conversions

Conversions Part 1

Format	Color
Hex	FE07FE
RGB	254, 7, 254
RGB Percent	100%, 3%, 100%
CMY	0.0039, 0.9724, 0.0039
CMYK	0.00, 0.97, 0.00, 0.00
HSL	300°, 99%, 51%
HSV	300°, 97%, 100%
XYZ	58.8384, 28.3785, 96.1424
YIQ	109.0110, 67.9250, 129.1810

Conversions

Conversions Part 2

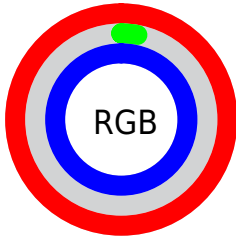
Format	Color
RYB	254, 7, 254
Decimal	16648190
CIELab	60.23, 97.56, -60.44
CIElCh	60, 114.765, 328.219
Yxy	28.3785, 0.3209, 0.1548
Android (android.graphics.Color)	4294838270 (0xFFFE07FE)
YUV	109.0110, 71.4796, 127.1554
Hunter-Lab	53.2715, 103.9284, -69.7144

Details

The XYZ color **58.8384, 28.3785, 96.1424** 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 **35.5691, 70.9456, 12.0215**, and the grayscale version is **14.3368, 15.0834, 16.4258**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **31.7020, 15.1920, 53.4860** is the 20% darker color. If you saturate the color by 10%, you get **58.7631, 28.2269, 96.1175**, and if you desaturate by 10%, it is **59.2917, 29.2840, 96.2938**.

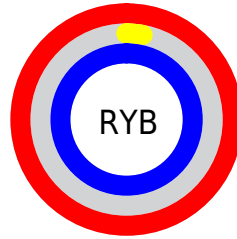
Distribution



Red (100%)

Green (3%)

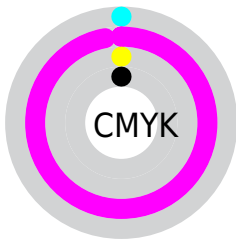
Blue (100%)



Red (100%)

Yellow (3%)

Blue (100%)

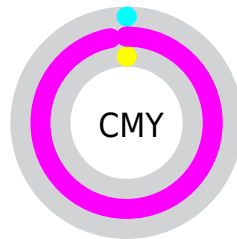


Cyan (0%)

Magenta (97%)

Yellow (0%)

Black (0%)



Cyan (0%)


Magenta (97%)


Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8384, 28.3785, 96.1424 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 58.8384, 28.3785, 96.1424 by changing the saturation by 10% instead.


 58.8384, 28.3785,
96.1424

 58.8384, 28.3785,
96.1424

410.2065,
294.2711, 568.8933

 42.7289, 18.6112,
72.4840

 102.2587, 57.0882,
157.8511

 29.8661, 11.3897,
53.0649


 130.3003, 76.7993,
196.7384


 19.8845, 6.3296,
37.4665


 163.0499,
100.5938, 241.5392

 12.4189, 3.0465,
25.2703

 200.8730,
128.8561, 292.6720

 7.1039, 1.1561,
16.0577

 244.1348,
161.9706, 350.5552

 3.5741, 0.0254,
9.4102

293.2007,

 1.4641, 0.0000,

200.3217, 415.6075

4.9092

348.4362,
244.2937, 488.2473

■ 0.3012, 0.0000,
2.1363

■ 0.0000, 0.0000,
0.6373

■ 58.8384, 28.3785,
96.1424

■ 58.8384, 28.3785,
96.1424

■ 58.7631, 28.2269,
96.1175

■ 59.2917, 29.2840,
96.2938

■ 60.2683, 31.2373,
96.6194

■ 61.8751, 34.4508,
97.1551

■ 64.1939, 39.0884,
97.9281

67.2944, 45.2893,
98.9617

71.2379, 53.1762,
100.2763

76.0796, 62.8597,
101.8904

81.8703, 74.4409,
103.8207

88.6565, 88.0134,
106.0828

Harmonies

Analogous

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



42.6658, 28.3785, 171.1767



58.8384, 28.3785, 96.1424



66.2329, 28.3785, 33.4840

Triad

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



58.8384, 28.3785, 96.1424



27.8609, 28.3785, 0.0000



8.9471, 28.3785, 87.1512

Complementary

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



58.8384, 28.3785, 96.1424



35.5691, 70.9456, 12.0215

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.



7.4378, 28.3785, 28.4512



58.8384, 28.3785, 96.1424



15.6944, 28.3785, 0.1901

Square

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



58.8384, 28.3785, 96.1424



44.7648, 28.3785, 0.4394



9.3746, 28.3785, 4.8684



14.6577, 28.3785, 163.4203

Rectangle

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



58.8384, 28.3785, 96.1424



63.7115, 28.3785, 11.8724



9.3746, 28.3785, 4.8684



8.0482, 28.3785, 63.7444

Sweetspot

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



58.8396, 28.3798, 96.1430



75.8240, 61.5481, 102.4910



18.0543, 7.3542, 94.2353



15.7742, 12.2633, 21.7855



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.



58.8396, 28.3798, 96.1430



59.2898, 28.4799, 96.9789



45.0145, 22.8498, 23.3413



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6736



3.0164, 1.4489, 4.9339

Inverse Universe

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



58.8396, 28.3798, 96.1430



59.2898, 28.4799, 96.9789



39.5949, 72.5559, 33.2212



18.7928, 18.3004, 22.7918



30.9802, 14.8814, 50.6736



3.0164, 1.4489, 4.9339

Previews

White Background



This preview shows how the XYZ color 58.8384, 28.3785, 96.1424 looks on a white background.

Color Contrast Check

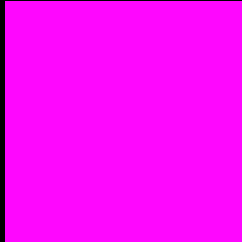
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.8384, 28.3785, 96.1424 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 58.8384, 28.3785, 96.1424

Background



This preview shows how black text looks on a background with the XYZ color 58.8384, 28.3785, 96.1424.



This preview shows how white text looks on a background with the XYZ color 58.8384, 28.3785,

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

58.8384, 28.3785, 96.1424

Protanopia

32.1366, 28.8413, 98.4809

Deuteranopia

29.7894, 28.8160, 85.6533



Tritanopia

42.4186, 28.3321, 16.8686

Trichromacy



Original Color

58.8384, 28.3785, 96.1424



Protanomaly

34.7268, 21.6280, 96.9521



Deuteranomaly

32.6341, 21.0120, 87.9237



Tritanomaly

45.6016, 25.6676, 35.8086

Monochromacy



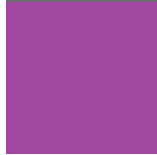
Original Color

58.8384, 28.3785, 96.1424



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

23.7392, 14.9247, 35.8120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8384, 28.3785, 96.1424 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, 7, 254)` looks like.

```
.text, #text, p{  
    color:rgb(254, 7, 254)  
}
```

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, 7, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 7, 254) }
```

Border

The CSS property to change the border of an element to XYZ 58.8384, 28.3785, 96.1424 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, 7, 254) }
```


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

```
.border{ border-color:rgb(254, 7, 254) }
```

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

Here you see how a box with a 4 pixel rgb(254, 7, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 7, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 7, 254);  
box-shadow:4px 4px 4px 4px rgb(254, 7,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8384, 28.3785, 96.1424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 7, 254) }
```

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

```
.background{ background-color: rgb(254, 7,  
254) }
```

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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