

Converting Colors

XYZ(55.9546, 27.1490, 79.4064)

Have a look what the booklet for
XYZ(55.9546, 27.1490, 79.4064)
contains.

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Color

**XYZ(55.9480, 27.1432,
79.3812)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00E9
RGB	255, 0, 233
RGB Percent	100%, 0%, 91%
CMY	0.0000, 0.9998, 0.0863
CMYK	0.00, 1.00, 0.09, 0.00
HSL	305°, 100%, 50%
HSV	305°, 100%, 100%
XYZ	55.9480, 27.1432, 79.3812
YIQ	102.8070, 77.1870, 126.5230

Conversions

Conversions Part 2

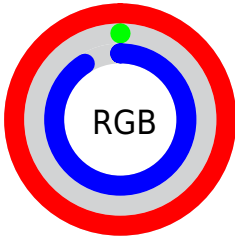
Format	Color
R_{YB}	255, 0, 233
Decimal	16711913
CIE _{Lab}	59.11, 95.30, -50.51
CIE _{LCh}	59, 107.859, 332.076
Yxy	27.1432, 0.3444, 0.1671
Android (android.graphics.Color)	4294901993 (0xFFFF00E9)
YUV	102.8070, 64.1851, 133.4733
Hunter-Lab	52.0991, 100.5133, -53.8682

Details

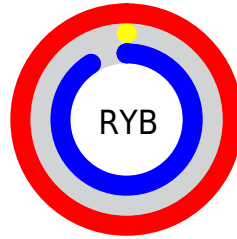
The XYZ color **55.9480, 27.1432, 79.3812** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9059, 71.5784, 12.6852**, and the grayscale version is **12.6709, 13.3307, 14.5172**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.9281, 14.5118, 42.8186** is the 20% darker color. If you saturate the color by 10%, you get **55.9474, 27.1430, 79.3783**, and if you desaturate by 10%, it is **56.6239, 27.9888, 81.1674**.

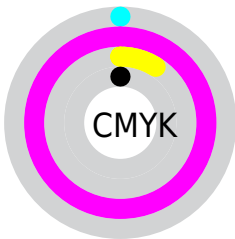
Distribution



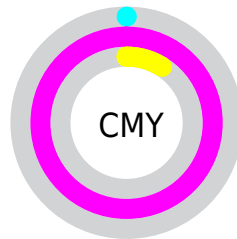
- Red (100%)
- Green (0%)
- Blue (91%)



- Red (100%)
- Yellow (0%)
- Blue (91%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.9480, 27.1432, 79.3812 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 55.9480, 27.1432, 79.3812 by changing the saturation by 10% instead.


 55.9480, 27.1432,
79.3812


 55.9480, 27.1432,
79.3812


399.5737,
288.3498, 512.4967


 40.3981, 17.6808,
58.6861


 98.0688, 55.1136,
134.2989


 28.0346, 10.7211,
41.9421

 125.3704, 74.3903,
169.3586


 18.4924, 5.8796,
28.7308


 157.3199, 97.7073,
210.0436

 11.4059, 2.7720,
18.6334

 194.2827,
125.4490, 256.7724

 6.4098, 1.0139,
11.2316

 236.6241,
157.9996, 309.9636

 3.1389, 0.0000,
6.1067

284.7095,

 1.2276, 0.0000,

195.7437, 370.0356

2.8402

338.9042,
239.0657, 437.4071

■ 0.1280, 0.0000,
1.0136

■ 0.0000, 0.0000,
0.0000

■ 55.9480, 27.1432,
79.3812

■ 55.9480, 27.1432,
79.3812

■ 55.9474, 27.1430,
79.3783

■ 56.6239, 27.9888,
81.1674

■ 57.7708, 29.7699,
83.1298

■ 59.5315, 32.7726,
85.3162

■ 61.9936, 37.1715,
87.7560

■ 65.2301, 43.1130,
90.4735

■ 69.3051, 50.7251,
93.4902

■ 74.2760, 60.1225,
96.8253

■ 80.1949, 71.4096,
100.4962

■ 87.1101, 84.6828,
104.5190

Harmonies

Analogous

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



42.0582, 27.1432, 146.6846



55.9480, 27.1432, 79.3812



61.1002, 27.1432, 26.9587

Triad

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



55.9480, 27.1432, 79.3812



24.8758, 27.1432, 0.0000



9.5370, 27.1432, 88.6765

Complementary

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



55.9480, 27.1432, 79.3812



35.9059, 71.5784, 12.6852

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.



7.6572, 27.1432, 32.3114



55.9480, 27.1432, 79.3812



14.3850, 27.1432, 0.7351

Square

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



55.9480, 27.1432, 79.3812



39.8564, 27.1432, 0.4619



9.0638, 27.1432, 6.7064



15.5093, 27.1432, 154.6081

Rectangle

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



55.9480, 27.1432, 79.3812



57.8313, 27.1432, 9.5808



9.0638, 27.1432, 6.7064



8.5215, 27.1432, 66.9055

Sweetspot

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



55.9486, 27.1443, 79.3817



74.2653, 60.1022, 96.8184



18.3661, 7.3838, 95.0649



15.4233, 11.9686, 20.4137



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.



55.9486, 27.1443, 79.3817



55.9474, 27.1430, 79.3783



43.8566, 22.3075, 15.7062



18.7211, 18.2717, 22.4143



29.2618, 14.1940, 41.6248



2.8682, 1.3897, 4.1533

Inverse Universe

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



55.9486, 27.1443, 79.3817



55.9474, 27.1430, 79.3783



41.1672, 73.6829, 40.3904



18.7211, 18.2717, 22.4143



29.2618, 14.1940, 41.6248



2.8682, 1.3897, 4.1533

Previews

White Background



This preview shows how the XYZ color 55.9480, 27.1432, 79.3812 looks on a white background.

Color Contrast Check

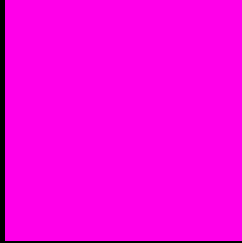
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.9480, 27.1432, 79.3812 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 55.9480, 27.1432, 79.3812

Background



This preview shows how black text looks on a background with the XYZ color 55.9480, 27.1432, 79.3812.



This preview shows how white text looks on a background with the XYZ color 55.9480, 27.1432,

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

55.9480, 27.1432, 79.3812

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

28.5525, 27.8236, 70.8834



Tritanopia

42.6028, 27.3946, 14.3515

Trichromacy



Original Color

55.9480, 27.1432, 79.3812



Protanomaly

32.5736, 20.1561, 90.1694



Deuteranomaly

31.6928, 20.3376, 72.7762



Tritanomaly

45.1100, 24.9774, 29.6377

Monochromacy



Original Color

55.9480, 27.1432, 79.3812



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

21.5538, 13.3675, 30.2983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9480, 27.1432, 79.3812 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, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 233) }
```

Border

The CSS property to change the border of an element to XYZ 55.9480, 27.1432, 79.3812 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, 233) }
```


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

```
.border{ border-color:rgb(255, 0, 233) }
```

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, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9480, 27.1432, 79.3812 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, 233) }
```

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

```
.background{ background-color: rgb(255, 0,  
233) }
```

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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