

Converting Colors

XYZ(58.7871, 29.8788, 91.1031)

Have a look what the booklet for
XYZ(58.7871, 29.8788, 91.1031)
contains.

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Color

**XYZ(58.8328, 29.8812,
91.4737)**

Conversions

Conversions Part 1

Format	Color
Hex	FE2FF8
RGB	254, 47, 248
RGB Percent	100%, 18%, 97%
CMY	0.0039, 0.8156, 0.0274
CMYK	0.00, 0.81, 0.02, 0.00
HSL	302°, 99%, 59%
HSV	302°, 81%, 100%
XYZ	58.8328, 29.8812, 91.4737
YIQ	131.8070, 58.8510, 106.3950

Conversions

Conversions Part 2

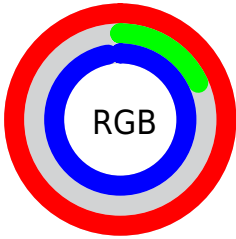
Format	Color
RYB	254, 47, 248
Decimal	16658424
CIELab	61.55, 91.84, -55.01
CIELCh	62, 107.057, 329.082
Yxy	29.8812, 0.3265, 0.1658
Android (android.graphics.Color)	4294848504 (0xFFFE2FF8)
YUV	131.8070, 57.2831, 107.1633
Hunter-Lab	54.6637, 96.4524, -60.9507

Details

The XYZ color **58.8328, 29.8812, 91.4737** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.2581, 71.7463, 15.2547**, and the grayscale version is **21.6514, 22.7789, 24.8062**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **31.3963, 15.0990, 50.5499** is the 20% darker color. If you saturate the color by 10%, you get **57.9824, 28.3620, 90.6278**, and if you desaturate by 10%, it is **60.2756, 32.5827, 92.5197**.

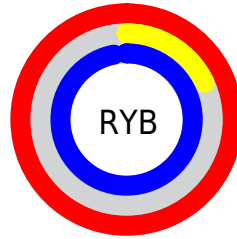
Distribution



Red (100%)

Green (18%)

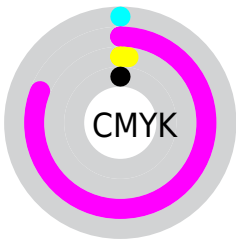
Blue (97%)



Red (100%)

Yellow (18%)

Blue (97%)

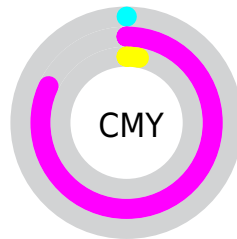


Cyan (0%)

Magenta (81%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.8328, 29.8812, 91.4737 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 58.8328, 29.8812, 91.4737 by changing the saturation by 10% instead.


 58.8328, 29.8812,
91.4737


 58.8328, 29.8812,
91.4737


410.1860,
301.3503, 553.5065

 42.7244, 19.7484,
68.6230


 102.2506, 59.4743,
151.3371

 29.8625, 12.2123,
49.9349


 130.2908, 79.7033,
189.1869


 19.8818, 6.8884,
34.9908


 163.0389,
104.0666, 232.8734

 12.4169, 3.3924,
23.3723

 200.8603,
132.9485, 282.8152

 7.1025, 1.3399,
14.6608

 244.1203,
166.7335, 339.4309

 3.5732, 0.1718,
8.4377

293.1844,

 1.4636, 0.0000,

205.8058, 403.1390

4.2845

348.4178,
250.5500, 474.3580

■ 0.3009, 0.0000,
1.7827

■ 0.0000, 0.0000,
0.4165

■ 58.8328, 29.8812,
91.4737

■ 58.8328, 29.8812,
91.4737

■ 57.9824, 28.3620,
90.6278


■ 60.2756, 32.5827,
92.5197


■ 57.6061, 27.7641,
90.0254


■ 62.3967, 36.6409,
93.7937

■ 65.2714, 42.2056,
95.3212

■ 68.9642, 49.4060,
97.1236

 73.5329, 58.3572,
99.2202

 79.0298, 69.1641,
101.6285

 85.5032, 81.9235,
104.3645

 92.9982, 96.7251,
107.4432

94.6237, 99.7871,
108.5677

Harmonies

Analogous

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



43.8367, 29.8812, 159.7678



58.8328, 29.8812, 91.4737



65.3552, 29.8812, 33.8034

Triad

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



58.8328, 29.8812, 91.4737



28.8405, 29.8812, 0.0000



10.6057, 29.8812, 87.2225

Complementary

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



58.8328, 29.8812, 91.4737



37.2581, 71.7463, 15.2547

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.



8.9214, 29.8812, 31.2998



58.8328, 29.8812, 91.4737



17.0952, 29.8812, 0.8784

Square

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



58.8328, 29.8812, 91.4737



44.8555, 29.8812, 0.9987



10.8339, 29.8812, 6.6351



16.5612, 29.8812, 156.1788

Rectangle

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



58.8328, 29.8812, 91.4737



62.7822, 29.8812, 13.0905



10.8339, 29.8812, 6.6351



9.6307, 29.8812, 65.3560

Sweetspot

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



58.8340, 29.8826, 91.4743



78.2529, 66.8608, 101.8982



20.2451, 9.8800, 94.6071



16.3212, 13.4692, 21.6234



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.



58.8340, 29.8826, 91.4743



58.2006, 28.1328, 90.9704



47.1617, 25.2137, 30.0087



18.7686, 18.2907, 22.6645



30.3804, 14.6415, 47.5151



2.9649, 1.4283, 4.6627

Inverse Universe

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



58.8340, 29.8826, 91.4743



58.2006, 28.1328, 90.9704



42.4444, 73.8208, 42.5652



18.7686, 18.2907, 22.6645



30.3804, 14.6415, 47.5151



2.9649, 1.4283, 4.6627

Previews

White Background



This preview shows how the XYZ color 58.8328, 29.8812, 91.4737 looks on a white background.

Color Contrast Check

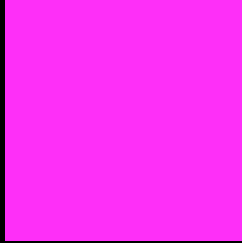
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.8328, 29.8812, 91.4737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

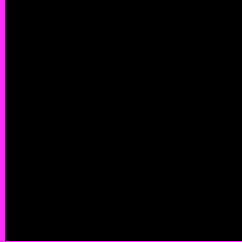
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 58.8328, 29.8812, 91.4737

Background



This preview shows how black text looks on a background with the XYZ color 58.8328, 29.8812, 91.4737.



This preview shows how white text looks on a background with the XYZ color 58.8328, 29.8812,

91.4737.

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

58.8328, 29.8812, 91.4737

Protanopia

33.3210, 30.1234, 98.6659

Deuteranopia

31.0782, 30.2602, 82.0447



Tritanopia

43.5728, 29.6237, 18.7506

Trichromacy



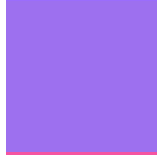
Original Color

58.8328, 29.8812, 91.4737



Protanomaly

36.5569, 24.9341, 94.9815



Deuteranomaly

35.2788, 24.9884, 84.6252



Tritanomaly

46.9116, 28.1470, 36.6786

Monochromacy



Original Color

58.8328, 29.8812, 91.4737



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

30.1982, 21.5935, 42.6207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.8328, 29.8812, 91.4737 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, 47, 248)` looks like.

```
.text, #text, p{  
    color:rgb(254, 47, 248)  
}
```

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, 47, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 47, 248) }
```

Border

The CSS property to change the border of an element to XYZ 58.8328, 29.8812, 91.4737 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, 47, 248) }
```


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

```
.border{ border-color:rgb(254, 47, 248) }
```

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

Here you see how a box with a 4 pixel rgb(254, 47, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 47, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 47, 248);  
box-shadow:4px 4px 4px 4px rgb(254, 47,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 58.8328, 29.8812, 91.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 47, 248) }
```

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

```
.background{ background-color: rgb(254, 47,  
248) }
```

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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