

Converting Colors

XYZ(58.7104, 29.9696, 88.6206)

Have a look what the booklet for
XYZ(58.7104, 29.9696, 88.6206)
contains.

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Color

**XYZ(58.6261, 29.9056,
88.2704)**

Conversions

Conversions Part 1

Format	Color
Hex	FF30F4
RGB	255, 48, 244
RGB Percent	100%, 19%, 96%
CMY	0.0000, 0.8117, 0.0431
CMYK	0.00, 0.81, 0.04, 0.00
HSL	303°, 100%, 59%
HSV	303°, 81%, 100%
XYZ	58.6261, 29.9056, 88.2704
YIQ	132.2370, 60.4560, 104.8400

Conversions

Conversions Part 2

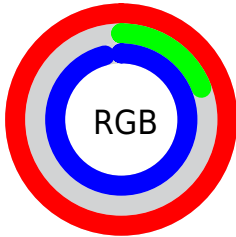
Format	Color
R _Y B	255, 48, 244
Decimal	16724212
CIE Lab	61.57, 91.25, -52.74
CIE LCh	62, 105.399, 329.974
Yxy	29.9056, 0.3316, 0.1691
Android (android.graphics.Color)	4294914292 (0xFFFF30F4)
YUV	132.2370, 55.0992, 107.6632
Hunter-Lab	54.6860, 95.6603, -57.4216

Details

The XYZ color **58.6261, 29.9056, 88.2704** 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 **37.7694, 72.4646, 16.1360**, and the grayscale version is **21.8125, 22.9485, 24.9909**.

A 20% lighter version of the original color is **66.0065, 41.9129, 99.2188**, and **31.2178, 15.0572, 48.2747** is the 20% darker color. If you saturate the color by 10%, you get **57.6610, 28.3033, 86.9375**, and if you desaturate by 10%, it is **60.1923, 32.7073, 89.8118**.

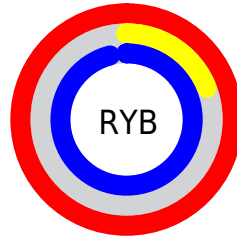
Distribution



Red (100%)

Green (19%)

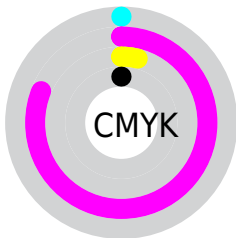
Blue (96%)



Red (100%)

Yellow (19%)

Blue (96%)

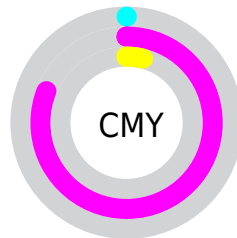


Cyan (0%)

Magenta (81%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (81%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6261, 29.9056, 88.2704 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 58.6261, 29.9056, 88.2704 by changing the saturation by 10% instead.


 58.6261, 29.9056,
88.2704


 58.6261, 29.9056,
88.2704


409.4312,
301.4642, 542.8126

 42.5574, 19.7669,
65.9814

 101.9518, 59.5129,
146.8480


 29.7310, 12.2257,
47.8009


 129.9395, 79.7503,
183.9737


 19.7816, 6.8976,
33.3104


 162.6309,
104.1227, 226.8821

 12.3437, 3.3982,
22.0913

 200.3914,
133.0145, 275.9916

 7.0521, 1.3430,
13.7250

 243.5863,
166.8102, 331.7209

 3.5413, 0.1741,
7.7931

292.5810,

 1.4461, 0.0000,

205.8941, 394.4885

3.8770

347.7409,
250.6507, 464.7128

■ 0.2887, 0.0000,
1.5581

■ 0.0000, 0.0000,
0.2607

■ 58.6261, 29.9056,
88.2704

■ 58.6261, 29.9056,
88.2704

■ 57.6610, 28.3033,
86.9375

■ 60.1923, 32.7073,
89.8118

■ 57.1844, 27.6377,
85.8918

■ 62.4471, 36.8839,
91.5898

■ 65.4658, 42.5859,
93.6300

■ 69.3133, 49.9431,
95.9539

74.0476, 59.0714,
98.5810

79.7215, 70.0765,
101.5288

86.3836, 83.0557,
104.8136

94.0794, 98.0996,
108.4505

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



44.0796, 29.9056, 155.1297



58.6261, 29.9056, 88.2704



64.6675, 29.9056, 32.5972

Triad

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



58.6261, 29.9056, 88.2704



28.4366, 29.9056, 0.0532



10.9191, 29.9056, 88.1523

Complementary

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



58.6261, 29.9056, 88.2704



37.7694, 72.4646, 16.1360

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.



9.1273, 29.9056, 32.5270



58.6261, 29.9056, 88.2704



16.9990, 29.9056, 1.0407

Square

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



58.6261, 29.9056, 88.2704



44.1080, 29.9056, 1.0442



10.9255, 29.9056, 7.2345



16.9839, 29.9056, 155.0304

Rectangle

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



58.6261, 29.9056, 88.2704



61.9108, 29.9056, 12.7093



10.9255, 29.9056, 7.2345



9.9067, 29.9056, 66.5724

Sweetspot

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



58.6267, 29.9068, 88.2710



78.0180, 66.7669, 100.6613



20.8737, 10.2456, 95.4852



16.2636, 13.4461, 21.3199



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.



58.6267, 29.9068, 88.2710



57.3283, 27.8282, 86.2405



47.1170, 25.3029, 27.6615



18.7485, 18.2827, 22.5588



29.8982, 14.4486, 44.9758



2.9234, 1.4117, 4.4438

Inverse Universe

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



58.6267, 29.9068, 88.2710



57.3283, 27.8282, 86.2405



43.4884, 74.7523, 46.2521



18.7485, 18.2827, 22.5588



29.8982, 14.4486, 44.9758



2.9234, 1.4117, 4.4438

Previews

White Background



This preview shows how the XYZ color 58.6261, 29.9056, 88.2704 looks on a white background.

Color Contrast Check

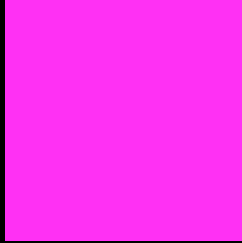
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.6261, 29.9056, 88.2704 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 58.6261, 29.9056, 88.2704

Background



This preview shows how black text looks on a background with the XYZ color 58.6261, 29.9056, 88.2704.



This preview shows how white text looks on a background with the XYZ color 58.6261, 29.9056,

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

58.6261, 29.9056, 88.2704

Protanopia

33.4745, 30.4304, 98.7171

Deuteranopia

30.9362, 30.0188, 79.0266



Tritanopia

44.0404, 29.7272, 18.1686

Trichromacy



Original Color

58.6261, 29.9056, 88.2704



Protanomaly

36.6988, 25.1848, 94.1937



Deuteranomaly

35.4875, 25.1636, 81.5839



Tritanomaly

47.4344, 28.4367, 35.7896

Monochromacy



Original Color

58.6261, 29.9056, 88.2704



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

30.3280, 21.6716, 42.1197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6261, 29.9056, 88.2704 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, 48, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 48, 244)  
}
```

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, 48, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 48, 244) }
```

Border

The CSS property to change the border of an element to XYZ 58.6261, 29.9056, 88.2704 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, 48, 244) }
```


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

```
.border{ border-color:rgb(255, 48, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 48, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 48, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 48, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 48,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6261, 29.9056, 88.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 48, 244) }
```

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

```
.background{ background-color: rgb(255, 48,  
244) }
```

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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