

Converting Colors

XYZ(58.3246, 29.2547, 88.3193)

Have a look what the booklet for
XYZ(58.3246, 29.2547, 88.3193)
contains.

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Color

**XYZ(58.2947, 29.2427,
88.1599)**

Conversions

Conversions Part 1

Format	Color
Hex	FF27F4
RGB	255, 39, 244
RGB Percent	100%, 15%, 96%
CMY	0.0000, 0.8470, 0.0431
CMYK	0.00, 0.85, 0.04, 0.00
HSL	303°, 100%, 58%
HSV	303°, 85%, 100%
XYZ	58.2947, 29.2427, 88.1599
YIQ	126.9540, 62.9310, 109.5470

Conversions

Conversions Part 2

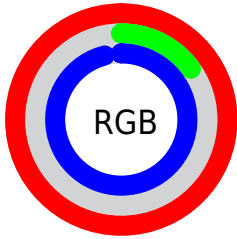
Format	Color
R _{YB}	255, 39, 244
Decimal	16721908
CIE _{Lab}	61.00, 92.94, -53.66
CIE _{LCh}	61, 107.317, 330.000
Yxy	29.2427, 0.3318, 0.1664
Android (android.graphics.Color)	4294911988 (0xFFFF27F4)
YUV	126.9540, 57.7037, 112.2963
Hunter-Lab	54.0765, 97.7898, -58.8058

Details

The XYZ color **58.2947, 29.2427, 88.1599** 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 **37.1734, 72.1821, 14.9927**, and the grayscale version is **19.9534, 20.9925, 22.8609**.

A 20% lighter version of the original color is **65.5354, 40.9708, 99.0618**, and **30.9620, 14.9253, 48.2627** is the 20% darker color. If you saturate the color by 10%, you get **57.5233, 28.0143, 86.9336**, and if you desaturate by 10%, it is **59.6298, 31.5962, 89.5817**.

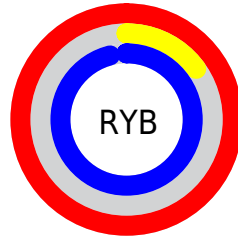
Distribution



Red (100%)

Green (15%)

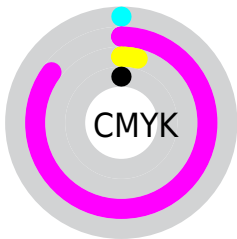
Blue (96%)



Red (100%)

Yellow (15%)

Blue (96%)

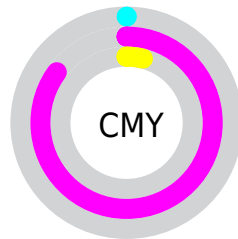


Cyan (0%)

Magenta (85%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (85%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2947, 29.2427, 88.1599 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 58.2947, 29.2427, 88.1599 by changing the saturation by 10% instead.


 58.2947, 29.2427,
88.1599


 58.2947, 29.2427,
88.1599


408.2193,
298.3584, 542.4416


 42.2898, 19.2645,
65.8904

 101.4724, 58.4625,
146.6928

 29.5204, 11.8616,
47.7275


 129.3759, 78.4728,
183.7934


 19.6211, 6.6495,
33.2527


 161.9763,
102.5960, 226.6747

 12.2266, 3.2439,
22.0474

 199.6389,
131.2164, 275.7553

 6.9715, 1.2603,
13.6931

 242.7292,
164.7185, 331.4538

 3.4904, 0.1102,
7.7712

291.6125,

 1.4181, 0.0000,

203.4866, 394.1886

3.8632

346.6541,
247.9051, 464.3784

■ 0.2691, 0.0000,
1.5506

■ 0.0000, 0.0000,
0.2552

■ 58.2947, 29.2427,
88.1599

■ 58.2947, 29.2427,
88.1599

■ 57.5233, 28.0143,
86.9336


■ 59.6298, 31.5962,
89.5817


■ 57.2690, 27.6716,
86.3377


■ 61.6240, 35.2657,
91.2296


■ 64.3570, 40.4104,
93.1307

■ 67.8966, 47.1663,
95.3076

 72.3031, 55.6537,
97.7804

 77.6310, 65.9816,
100.5672

 83.9303, 78.2500,
103.6847

 91.2474, 92.5517,
107.1485

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.



43.5731, 29.2427, 156.4610



58.2947, 29.2427, 88.1599



64.4162, 29.2427, 31.8404

Triad

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



58.2947, 29.2427, 88.1599



27.7943, 29.2427, 0.0000



10.3723, 29.2427, 88.1597

Complementary

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



58.2947, 29.2427, 88.1599



37.1734, 72.1821, 14.9927

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.



8.6103, 29.2427, 31.8403



58.2947, 29.2427, 88.1599



16.3750, 29.2427, 0.8547

Square

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



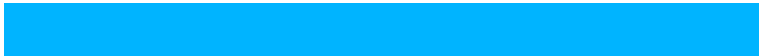
58.2947, 29.2427, 88.1599



43.5731, 29.2427, 0.8547



10.3723, 29.2427, 6.7338



16.3750, 29.2427, 156.4609

Rectangle

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



58.2947, 29.2427, 88.1599



61.6102, 29.2427, 12.0588



10.3723, 29.2427, 6.7338



9.3764, 29.2427, 66.2267

Sweetspot

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



58.2953, 29.2438, 88.1604



77.4570, 65.6434, 100.4787



20.0824, 9.3455, 95.3532



16.1573, 13.2318, 21.2898



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.



58.2953, 29.2438, 88.1604



57.2690, 27.6716, 86.3377



46.4249, 24.4956, 25.6518



18.7504, 18.2835, 22.5685



29.9417, 14.4660, 45.2051



2.9271, 1.4132, 4.4636

Inverse Universe

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



58.2953, 29.2438, 88.1604



57.2690, 27.6716, 86.3377



42.7523, 74.4136, 44.3709



18.7504, 18.2835, 22.5685



29.9417, 14.4660, 45.2051



2.9271, 1.4132, 4.4636

Previews

White Background



This preview shows how the XYZ color 58.2947, 29.2427, 88.1599 looks on a white background.

Color Contrast Check

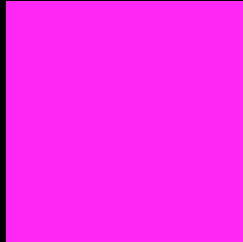
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.2947, 29.2427, 88.1599 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 58.2947, 29.2427, 88.1599

Background



This preview shows how black text looks on a background with the XYZ color 58.2947, 29.2427, 88.1599.



This preview shows how white text looks on a background with the XYZ color 58.2947, 29.2427,

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

58.2947, 29.2427, 88.1599

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.3102, 29.4642, 78.9525



Tritanopia

43.5832, 29.0697, 17.2238

Trichromacy



Original Color

58.2947, 29.2427, 88.1599



Protanomaly

35.8930, 24.1431, 94.0351



Deuteranomaly

34.4585, 23.9924, 81.4121



Tritanomaly

46.8162, 27.4759, 34.7342

Monochromacy



Original Color

58.2947, 29.2427, 88.1599



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

28.8035, 20.0854, 40.3890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2947, 29.2427, 88.1599 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, 39, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 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, 39, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 244) }
```

Border

The CSS property to change the border of an element to XYZ 58.2947, 29.2427, 88.1599 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, 39, 244) }
```


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

```
.border{ border-color:rgb(255, 39, 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, 39, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2947, 29.2427, 88.1599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 244) }
```

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

```
.background{ background-color: rgb(255, 39,  
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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