

Converting Colors

XYZ(58.5542, 29.7426, 88.3055)

Have a look what the booklet for
XYZ(58.5542, 29.7426, 88.3055)
contains.

XYZ(58.5461, 29.7456, 88.2437)	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(58.5461, 29.7456,
88.2437)**

Conversions

Conversions Part 1

Format	Color
Hex	FF2EF4
RGB	255, 46, 244
RGB Percent	100%, 18%, 96%
CMY	0.0000, 0.8196, 0.0431
CMYK	0.00, 0.82, 0.04, 0.00
HSL	303°, 100%, 59%
HSV	303°, 82%, 100%
XYZ	58.5461, 29.7456, 88.2437
YIQ	131.0630, 61.0060, 105.8860

Conversions

Conversions Part 2

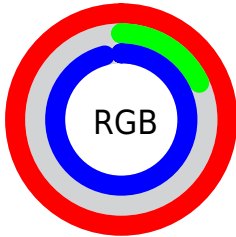
Format	Color
R _Y B	255, 46, 244
Decimal	16723700
CIE Lab	61.43, 91.66, -52.96
CIE LCh	61, 105.858, 329.980
Yxy	29.7456, 0.3316, 0.1685
Android (android.graphics.Color)	4294913780 (0xFFFF2EF4)
YUV	131.0630, 55.6779, 108.6927
Hunter-Lab	54.5395, 96.1688, -57.7522

Details

The XYZ color **58.5461, 29.7456, 88.2437** 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 **37.6262, 72.3967, 15.8635**, and the grayscale version is **21.3908, 22.5048, 24.5077**.

A 20% lighter version of the original color is **65.8868, 41.6737, 99.1789**, and **31.2178, 15.0572, 48.2747** is the 20% darker color. If you saturate the color by 10%, you get **57.6254, 28.2291, 86.9353**, and if you desaturate by 10%, it is **60.0599, 32.4456, 89.7578**.

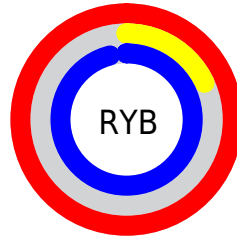
Distribution



Red (100%)

Green (18%)

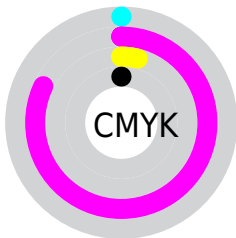
Blue (96%)



Red (100%)

Yellow (18%)

Blue (96%)

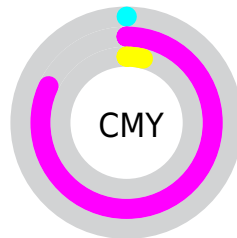


Cyan (0%)

Magenta (82%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.5461, 29.7456, 88.2437 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 58.5461, 29.7456, 88.2437 by changing the saturation by 10% instead.


 58.5461, 29.7456,
88.2437


 58.5461, 29.7456,
88.2437

409.1389,
300.7168, 542.7229

 42.4928, 19.6456,
65.9594

 101.8361, 59.2596,
146.8105


 29.6802, 12.1377,
47.7832


 129.8035, 79.4424,
183.9301


 19.7428, 6.8375,
33.2965


 162.4730,
103.7549, 226.8320

 12.3154, 3.3607,
22.0807

 200.2099,
132.5815, 275.9345

 7.0326, 1.3228,
13.7173

 243.3795,
166.3066, 331.6564

 3.5290, 0.1588,
7.7878

292.3474,

 1.4393, 0.0000,

205.3146, 394.4160

3.8737

347.4787,
249.9899, 464.6320

■ 0.2840, 0.0000,
1.5563

■ 0.0000, 0.0000,
0.2593

■ 58.5461, 29.7456,
88.2437

■ 58.5461, 29.7456,
88.2437

■ 57.6254, 28.2291,
86.9353

■ 60.0599, 32.4456,
89.7578

■ 57.2038, 27.6455,
85.9941

■ 62.2558, 36.5079,
91.5063

■ 65.2102, 42.0846,
93.5150

■ 68.9886, 49.3067,
95.8056

73.6494, 58.2914,
98.3979

79.2457, 69.1448,
101.3093

85.8266, 81.9650,
104.5564

93.4377, 96.8429,
108.1542

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.



43.9575, 29.7456, 155.4474



58.5461, 29.7456, 88.2437



64.6068, 29.7456, 32.4147

Triad

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



58.5461, 29.7456, 88.2437



28.2817, 29.7456, 0.0044



10.7862, 29.7456, 88.1531

Complementary

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



58.5461, 29.7456, 88.2437



37.6262, 72.3967, 15.8635

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.



9.0015, 29.7456, 32.3611



58.5461, 29.7456, 88.2437



16.8479, 29.7456, 0.9949

Square

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



58.5461, 29.7456, 88.2437



43.9792, 29.7456, 0.9976



10.7911, 29.7456, 7.1122



16.8364, 29.7456, 155.3711

Rectangle

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



58.5461, 29.7456, 88.2437



61.8383, 29.7456, 12.5514



10.7911, 29.7456, 7.1122



9.7777, 29.7456, 66.4886

Sweetspot

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



58.5467, 29.7467, 88.2443



77.4398, 65.6365, 100.3881



20.6844, 10.0292, 95.4534



16.1531, 13.2301, 21.2678



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.



58.5467, 29.7467, 88.2443



57.2994, 27.7723, 86.2246



46.9554, 25.1102, 27.2051



18.7489, 18.2829, 22.5610



29.9082, 14.4526, 45.0284



2.9242, 1.4121, 4.4483

Inverse Universe

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



58.5467, 29.7467, 88.2443



57.2994, 27.7723, 86.2246



43.3165, 74.6728, 45.8282



18.7489, 18.2829, 22.5610



29.9082, 14.4526, 45.0284



2.9242, 1.4121, 4.4483

Previews

White Background



This preview shows how the XYZ color 58.5461, 29.7456, 88.2437 looks on a white background.

Color Contrast Check

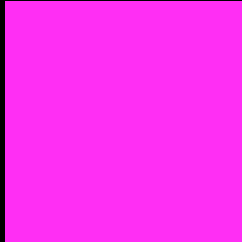
Large Text (above 18pt) WCAG AA ✓ Pass

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 58.5461, 29.7456, 88.2437 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 58.5461, 29.7456, 88.2437

Background



This preview shows how black text looks on a background with the XYZ color 58.5461, 29.7456, 88.2437.



This preview shows how white text looks on a background with the XYZ color 58.5461, 29.7456,

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

58.5461, 29.7456, 88.2437

Protanopia

33.2124, 30.0675, 98.6609

Deuteranopia

30.8167, 29.9572, 79.0210



Tritanopia

43.9403, 29.5271, 18.1352

Trichromacy



Original Color

58.5461, 29.7456, 88.2437



Protanomaly

36.3988, 24.8709, 94.1489



Deuteranomaly

35.1770, 24.8406, 81.5379



Tritanomaly

47.2813, 28.1306, 35.7386

Monochromacy



Original Color

58.5461, 29.7456, 88.2437



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

29.9081, 21.3230, 41.5691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.5461, 29.7456, 88.2437 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, 46, 244)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 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, 46, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 244) }
```

Border

The CSS property to change the border of an element to XYZ 58.5461, 29.7456, 88.2437 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, 46, 244) }
```


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

```
.border{ border-color:rgb(255, 46, 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, 46, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 244);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 58.5461, 29.7456, 88.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 244) }
```

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

```
.background{ background-color: rgb(255, 46,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor