

Converting Colors

XYZ(93.0250, 49.5714, 81.3261)

Have a look what the booklet for
XYZ(93.0250, 49.5714, 81.3261)
contains.

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Color

**XYZ(58.0587, 31.5927,
79.3819)**

Conversions

Conversions Part 1

Format	Color
Hex	FF47E8
RGB	255, 71, 232
RGB Percent	100%, 28%, 91%
CMY	0.0000, 0.7215, 0.0902
CMYK	0.00, 0.72, 0.09, 0.00
HSL	308°, 100%, 64%
HSV	308°, 72%, 100%
XYZ	58.0587, 31.5927, 79.3819
YIQ	144.3700, 57.9830, 89.0790

Conversions

Conversions Part 2

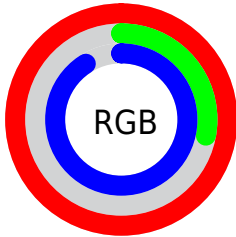
Format	Color
R_{YB}	255, 71, 232
Decimal	16730088
CIE _{Lab}	63.00, 83.70, -43.79
CIE _{LCh}	63, 94.466, 332.384
Yxy	31.5927, 0.3435, 0.1869
Android (android.graphics.Color)	4294920168 (0xFFFF47E8)
YUV	144.3700, 43.2016, 97.0225
Hunter-Lab	56.2074, 86.0164, -44.3903

Details

The XYZ color **58.0587, 31.5927, 79.3819** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **40.3801, 73.6683, 22.6832**, and the grayscale version is **26.4752, 27.8540, 30.3330**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **30.0846, 14.6039, 42.3075** is the 20% darker color. If you saturate the color by 10%, you get **56.3147, 28.8227, 76.5871**, and if you desaturate by 10%, it is **60.4922, 35.7282, 82.4478**.

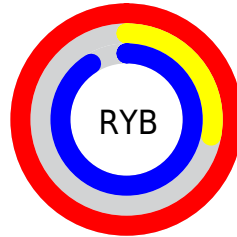
Distribution



Red (100%)

Green (28%)

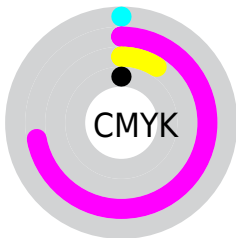
Blue (91%)



Red (100%)

Yellow (28%)

Blue (91%)

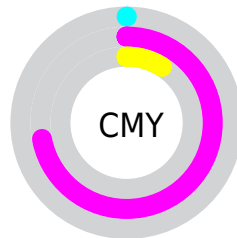


Cyan (0%)

Magenta (72%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0587, 31.5927, 79.3819 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 58.0587, 31.5927, 79.3819 by changing the saturation by 10% instead.


 58.0587, 31.5927,
79.3819

 58.0587, 31.5927,
79.3819


407.3550,
309.2597, 512.4991


 42.0993, 21.0506,
58.6867

 101.1308, 62.1720,
134.2999

 29.3705, 13.1610,
41.9426


 128.9742, 82.9780,
169.3598

 19.5070, 7.5395,
28.7311


 161.5097,
107.9741, 210.0449

 12.1433, 3.8017,
18.6337

 199.1025,
137.5447, 256.7739

 6.9143, 1.5633,
11.2318

242.1181,
172.0741, 309.9653

 3.4544, 0.3327,
6.1068

290.9218,

 1.3984, 0.0000,

211.9468, 370.0376

2.8403

345.8790,
257.5472, 437.4093

■ 0.2551, 0.0000,
1.0137

■ 0.0000, 0.0000,
0.0000

■ 58.0587, 31.5927,
79.3819

■ 58.0587, 31.5927,
79.3819

■ 56.3147, 28.8227,
76.5871

■ 60.4922, 35.7282,
82.4478

■ 55.1664, 27.2311,
74.0308

■ 63.6887, 41.3768,
85.8084

■ 54.5760, 26.5944,
72.1564

■ 67.7148, 48.6711,
89.4865

■ 72.6290, 57.7285,
93.5017

78.4847, 68.6554,
97.8722

85.3310, 81.5499,
102.6144

93.2134, 96.5032,
107.7437

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.



45.4988, 31.5927, 137.1415



58.0587, 31.5927, 79.3819



62.5550, 31.5927, 31.5076

Triad

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



58.0587, 31.5927, 79.3819



29.0005, 31.5927, 0.9963



13.4825, 31.5927, 88.7295

Complementary

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



58.0587, 31.5927, 79.3819



40.3801, 73.6683, 22.6832

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.



11.3409, 31.5927, 37.4623



58.0587, 31.5927, 79.3819



18.5340, 31.5927, 2.4471

Square

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



58.0587, 31.5927, 79.3819



43.1651, 31.5927, 1.9708



12.8822, 31.5927, 10.7460



19.8698, 31.5927, 144.7623

Rectangle

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



58.0587, 31.5927, 79.3819



59.5680, 31.5927, 13.7095



12.8822, 31.5927, 10.7460



12.3415, 31.5927, 69.4834

Sweetspot

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



58.0595, 31.5940, 79.3825



78.5817, 68.8374, 97.9418



24.7652, 14.0277, 96.0101



16.4584, 14.0573, 20.7019



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.



58.0595, 31.5940, 79.3825



55.6902, 27.9169, 75.3203



48.3419, 27.7070, 28.2105



18.6892, 18.2590, 22.2463



28.5556, 13.9115, 37.9058



2.8066, 1.3650, 3.8289

Inverse Universe

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



58.0595, 31.5940, 79.3825



55.6902, 27.9169, 75.3203



47.0605, 76.3405, 57.8614



18.6892, 18.2590, 22.2463



28.5556, 13.9115, 37.9058



2.8066, 1.3650, 3.8289

Previews

White Background



This preview shows how the XYZ color 58.0587, 31.5927, 79.3819 looks on a white background.

Color Contrast Check

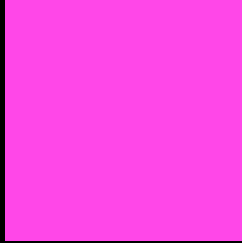
Large Text (above 18pt) WCAG AA × Fail

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 58.0587, 31.5927, 79.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

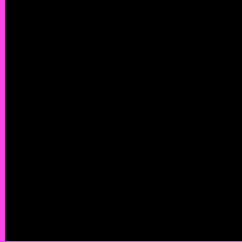
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0587, 31.5927, 79.3819

Background



This preview shows how black text looks on a background with the XYZ color 58.0587, 31.5927, 79.3819.



This preview shows how white text looks on a background with the XYZ color 58.0587, 31.5927,

79.3819.

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

58.0587, 31.5927, 79.3819

Protanopia

34.8609, 31.8407, 98.9162

Deuteranopia

32.5891, 31.7361, 72.1182



Tritanopia

45.6417, 31.2763, 20.4610

Trichromacy



Original Color

58.0587, 31.5927, 79.3819



Protanomaly

38.3238, 27.9672, 91.3740



Deuteranomaly

37.6477, 28.1851, 73.9770



Tritanomaly

48.7080, 30.4618, 36.1134

Monochromacy



Original Color

58.0587, 31.5927, 79.3819



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

33.9649, 26.0475, 44.3118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0587, 31.5927, 79.3819 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, 71, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 232)  
}
```

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, 71, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 232) }
```

Border

The CSS property to change the border of an element to XYZ 58.0587, 31.5927, 79.3819 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, 71, 232) }
```


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

```
.border{ border-color:rgb(255, 71, 232) }
```

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

Here you see how a box with a 4 pixel rgb(255, 71, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0587, 31.5927, 79.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 232) }
```

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

```
.background{ background-color: rgb(255, 71,  
232) }
```

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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