

Converting Colors

XYZ(58.4543, 31.4027, 82.5385)

Have a look what the booklet for
XYZ(58.4543, 31.4027, 82.5385)
contains.

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Color

**XYZ(58.3875, 31.3304,
82.3269)**

Conversions

Conversions Part 1

Format	Color
Hex	FF43EC
RGB	255, 67, 236
RGB Percent	100%, 26%, 93%
CMY	0.0000, 0.7372, 0.0745
CMYK	0.00, 0.74, 0.07, 0.00
HSL	306°, 100%, 63%
HSV	306°, 74%, 100%
XYZ	58.3875, 31.3304, 82.3269
YIQ	142.4780, 57.7990, 92.4150

Conversions

Conversions Part 2

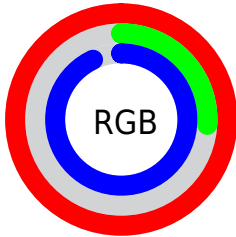
Format	Color
R _Y B	255, 67, 236
Decimal	16729068
CIE Lab	62.79, 85.45, -46.37
CIE LCh	63, 97.217, 331.514
Yxy	31.3304, 0.3394, 0.1821
Android (android.graphics.Color)	4294919148 (0xFFFF43EC)
YUV	142.4780, 46.1063, 98.6818
Hunter-Lab	55.9736, 88.2443, -48.0233

Details

The XYZ color **58.3875, 31.3304, 82.3269** 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 **39.7555, 73.3857, 20.8756**, and the grayscale version is **25.7092, 27.0481, 29.4553**.

A 20% lighter version of the original color is **67.5413, 44.9825, 99.7304**, and **30.4864, 14.7646, 44.4231** is the 20% darker color. If you saturate the color by 10%, you get **56.8192, 28.7888, 79.9703**, and if you desaturate by 10%, it is **60.6291, 35.2100, 84.9353**.

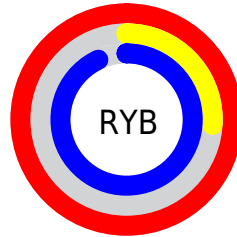
Distribution



Red (100%)

Green (26%)

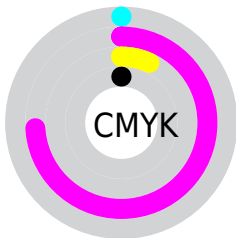
Blue (93%)



Red (100%)

Yellow (26%)

Blue (93%)

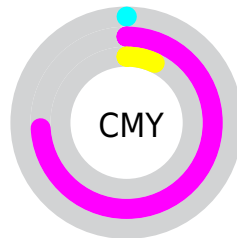


Cyan (0%)

Magenta (74%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (74%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.3875, 31.3304, 82.3269 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 58.3875, 31.3304, 82.3269 by changing the saturation by 10% instead.


 58.3875, 31.3304,
82.3269


 58.3875, 31.3304,
82.3269


408.5589,
308.0576, 522.6526


 42.3647, 20.8506,
61.0976


 101.6067, 61.7599,
138.4731

 29.5793, 13.0148,
43.8729


 129.5338, 82.4783,
174.2272

 19.6660, 7.4387,
30.2341


 162.1597,
107.3784, 215.6599

 12.2593, 3.7380,
19.7628

 199.8498,
136.8446, 263.1898

 6.9940, 1.5281,
12.0404

242.9694,
171.2612, 317.2356

 3.5047, 0.3084,
6.6483

291.8839,

 1.4259, 0.0000,

211.0126, 378.2156

3.1681

346.9586,
256.4833, 446.5484

■ 0.2746, 0.0000,
1.1811

■ 0.0000, 0.0000,
0.0000

■ 58.3875, 31.3304,
82.3269

■ 58.3875, 31.3304,
82.3269

■ 56.8192, 28.7888,
79.9703

■ 60.6291, 35.2100,
84.9353

■ 55.8275, 27.3917,
77.8321

■ 63.6199, 40.5793,
87.8199

■ 55.4147, 26.9299,
76.5731

■ 67.4276, 47.5737,
91.0036

■ 72.1119, 56.3124,
94.5066

■ 77.7266, 66.9034,
98.3467

■ 84.3216, 79.4459,
102.5408

■ 91.9428, 94.0321,
107.1043

■ 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.



45.2470, 31.3304, 142.3999



58.3875, 31.3304, 82.3269



63.3585, 31.3304, 32.2142

Triad

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



58.3875, 31.3304, 82.3269



29.1078, 31.3304, 0.7738



12.8641, 31.3304, 88.5076

Complementary

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



58.3875, 31.3304, 82.3269



39.7555, 73.3857, 20.8756

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.



10.8313, 31.3304, 36.0860



58.3875, 31.3304, 82.3269



18.3110, 31.3304, 2.0215

Square

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



58.3875, 31.3304, 82.3269



43.7173, 31.3304, 1.7414



12.4817, 31.3304, 9.7479



19.1707, 31.3304, 147.4774

Rectangle

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



58.3875, 31.3304, 82.3269



60.4706, 31.3304, 13.6857



12.4817, 31.3304, 9.7479



11.7600, 31.3304, 68.6416

Sweetspot

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



58.3881, 31.3316, 82.3275



78.7909, 68.9210, 99.0431



23.8779, 13.2048, 95.8980



16.5085, 14.0773, 20.9655



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.



58.3881, 31.3316, 82.3275



56.3307, 28.0636, 79.0309



48.1457, 27.2347, 28.3916



18.7089, 18.2669, 22.3501



28.9876, 14.0843, 40.1807



2.8443, 1.3801, 4.0276

Inverse Universe

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



58.3881, 31.3316, 82.3275



56.3307, 28.0636, 79.0309



46.2937, 76.0009, 55.3051



18.7089, 18.2669, 22.3501



28.9876, 14.0843, 40.1807



2.8443, 1.3801, 4.0276

Previews

White Background



This preview shows how the XYZ color 58.3875, 31.3304, 82.3269 looks on a white background.

Color Contrast Check

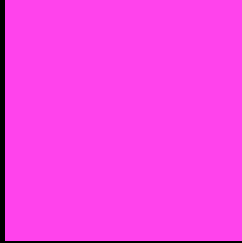
Large Text (above 18pt) WCAG AA × Fail

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 58.3875, 31.3304, 82.3269 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 58.3875, 31.3304, 82.3269

Background



This preview shows how black text looks on a background with the XYZ color 58.3875, 31.3304, 82.3269.



This preview shows how white text looks on a background with the XYZ color 58.3875, 31.3304,

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

58.3875, 31.3304, 82.3269

Protanopia

34.7413, 31.7791, 98.9106

Deuteranopia

32.4063, 31.5800, 74.9086



Tritanopia

45.5832, 31.2529, 20.1529

Trichromacy



Original Color

58.3875, 31.3304, 82.3269



Protanomaly

38.0373, 27.4445, 92.0995



Deuteranomaly

37.2976, 27.5804, 76.7565



Tritanomaly

48.7056, 30.3176, 36.5425

Monochromacy



Original Color

58.3875, 31.3304, 82.3269



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

33.4956, 25.4633, 44.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3875, 31.3304, 82.3269 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, 67, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 67, 236)  
}
```

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, 67, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 67, 236) }
```

Border

The CSS property to change the border of an element to XYZ 58.3875, 31.3304, 82.3269 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, 67, 236) }
```


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

```
.border{ border-color:rgb(255, 67, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 67, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 67, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 67, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 67,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3875, 31.3304, 82.3269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 67, 236) }
```

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

```
.background{ background-color: rgb(255, 67,  
236) }
```

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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