

Converting Colors

XYZ(56.4212, 31.8125, 68.0619)

Have a look what the booklet for
XYZ(56.4212, 31.8125, 68.0619)
contains.

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Color

**XYZ(56.4307, 31.8098,
68.1314)**

Conversions

Conversions Part 1

Format	Color
Hex	FF4FD8
RGB	255, 79, 216
RGB Percent	100%, 31%, 85%
CMY	0.0000, 0.6902, 0.1529
CMYK	0.00, 0.69, 0.15, 0.00
HSL	313°, 100%, 65%
HSV	313°, 69%, 100%
XYZ	56.4307, 31.8098, 68.1314
YIQ	147.2420, 60.9190, 79.9190

Conversions

Conversions Part 2

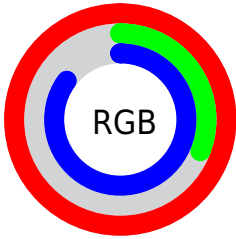
Format	Color
R _Y B	255, 79, 216
Decimal	16732120
CIE Lab	63.19, 78.92, -34.54
CIE LCh	63, 86.148, 336.365
Yxy	31.8098, 0.3609, 0.2034
Android (android.graphics.Color)	4294922200 (0xFFFF4FD8)
YUV	147.2420, 33.8977, 94.5038
Hunter-Lab	56.4002, 79.8963, -32.1422

Details

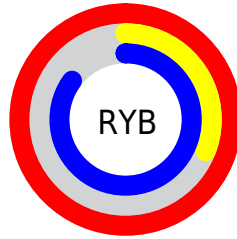
The XYZ color **56.4307, 31.8098, 68.1314** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **42.2557, 74.4909, 29.2933**, and the grayscale version is **27.6813, 29.1229, 31.7148**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **28.6812, 14.0425, 34.9170** is the 20% darker color. If you saturate the color by 10%, you get **54.2129, 28.5235, 63.8497**, and if you desaturate by 10%, it is **59.3798, 36.5187, 72.7816**.

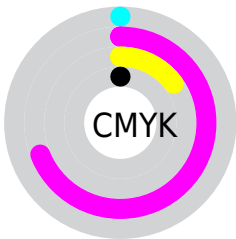
Distribution



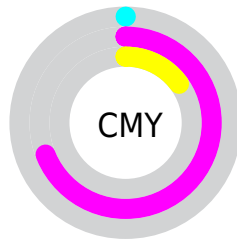
- Red (100%)
- Green (31%)
- Blue (85%)



- Red (100%)
- Yellow (31%)
- Blue (85%)



- Cyan (0%)
- Magenta (69%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (69%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4307, 31.8098, 68.1314 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 56.4307, 31.8098, 68.1314 by changing the saturation by 10% instead.


 56.4307, 31.8098,
68.1314

 56.4307, 31.8098,
68.1314

401.3614,
310.2519, 472.5721


 40.7867, 21.2163,
49.5373

 98.7702, 62.5128,
118.1961


 28.3394, 13.2822,
34.6773


 126.1964, 83.3910,
150.5038

 18.7234, 7.6231,
23.1328


 158.2807,
108.4663, 188.2197

 11.5734, 3.8548,
14.4854

 195.3885,
138.1230, 231.7624

 6.5240, 1.5927,
8.3164

237.8851,
172.7455, 281.5505

 3.2099, 0.3526,
4.2074

286.1359,

 1.2657, 0.0000,

212.7183, 338.0024

1.7398

340.5062,
258.4256, 401.5368

■ 0.1573, 0.0000,
0.3878

■ 0.0000, 0.0000,
0.0000

■ 56.4307, 31.8098,
68.1314

■ 56.4307, 31.8098,
68.1314

■ 54.2129, 28.5235,
63.8497

■ 59.3798, 36.5187,
72.7816

■ 52.6386, 26.4842,
59.9048

■ 63.1307, 42.7904,
77.8238

■ 51.5816, 25.4402,
56.2539

■ 67.7475, 50.7530,
83.2811

■ 51.4899, 25.3600,
55.9053

■ 73.2872, 60.5200,
89.1736

■ 79.8019, 72.1952,
95.5197

■ 87.3396, 85.8745,
102.3367

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.



45.9412, 31.8098, 118.8028



56.4307, 31.8098, 68.1314



59.1711, 31.8098, 27.8634

Triad

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



56.4307, 31.8098, 68.1314



27.7666, 31.8098, 1.7958



15.2922, 31.8098, 89.8694

Complementary

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



56.4307, 31.8098, 68.1314



42.2557, 74.4909, 29.2933

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.



12.7120, 31.8098, 42.4244



56.4307, 31.8098, 68.1314



18.5902, 31.8098, 4.1220

Square

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



56.4307, 31.8098, 68.1314



40.3725, 31.8098, 2.6016



13.7370, 31.8098, 14.4387



21.9535, 31.8098, 136.1135

Rectangle

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



56.4307, 31.8098, 68.1314



55.7348, 31.8098, 12.9158



13.7370, 31.8098, 14.4387



14.0112, 31.8098, 72.6733

Sweetspot

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



56.4314, 31.8112, 68.1320



78.4295, 69.7225, 94.2237



28.2016, 16.6049, 96.3264



16.3925, 14.2147, 19.7882



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.



56.4314, 31.8112, 68.1320



53.5139, 27.5722, 62.2395



47.9907, 28.4349, 23.6838



18.6102, 18.2274, 21.8306



26.9632, 13.2746, 29.5201



2.6658, 1.3087, 3.0872

Inverse Universe

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



56.4314, 31.8112, 68.1320



53.5139, 27.5722, 62.2395



50.0211, 77.5970, 70.1850



18.6102, 18.2274, 21.8306



26.9632, 13.2746, 29.5201



2.6658, 1.3087, 3.0872

Previews

White Background



This preview shows how the XYZ color 56.4307, 31.8098, 68.1314 looks on a white background.

Color Contrast Check

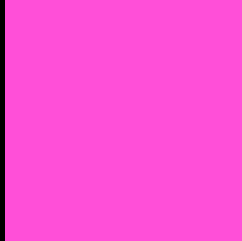
Large Text (above 18pt) WCAG AA × Fail

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 56.4307, 31.8098, 68.1314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

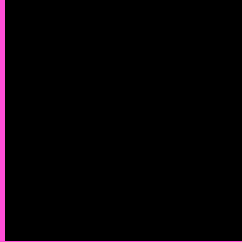
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.4307, 31.8098, 68.1314

Background



This preview shows how black text looks on a background with the XYZ color 56.4307, 31.8098, 68.1314.



This preview shows how white text looks on a background with the XYZ color 56.4307, 31.8098,

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

56.4307, 31.8098, 68.1314

Protanopia

35.2630, 32.2839, 98.9806

Deuteranopia

32.7335, 32.0300, 62.2148



Tritanopia

46.2772, 31.6107, 20.1854

Trichromacy



Original Color

56.4307, 31.8098, 68.1314



Protanomaly

37.9851, 28.4476, 86.7080



Deuteranomaly

37.8983, 29.0944, 63.9399



Tritanomaly

49.1021, 31.1421, 33.1288

Monochromacy



Original Color

56.4307, 31.8098, 68.1314



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

34.6556, 27.3367, 42.4797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4307, 31.8098, 68.1314 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, 79, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 216)  
}
```

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, 79, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 216) }
```

Border

The CSS property to change the border of an element to XYZ 56.4307, 31.8098, 68.1314 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, 79, 216) }
```


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

```
.border{ border-color:rgb(255, 79, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 79, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4307, 31.8098, 68.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 216) }
```

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

```
.background{ background-color: rgb(255, 79,  
216) }
```

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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