

Converting Colors

XYZ(57.9688, 33.9036, 71.6732)

Have a look what the booklet for
XYZ(57.9688, 33.9036, 71.6732)
contains.

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Color

**XYZ(58.0322, 33.9626,
71.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5BDD
RGB	255, 91, 221
RGB Percent	100%, 36%, 87%
CMY	0.0000, 0.6431, 0.1333
CMYK	0.00, 0.64, 0.13, 0.00
HSL	312°, 100%, 68%
HSV	312°, 64%, 100%
XYZ	58.0322, 33.9626, 71.9034
YIQ	154.8560, 56.0140, 75.1980

Conversions

Conversions Part 2

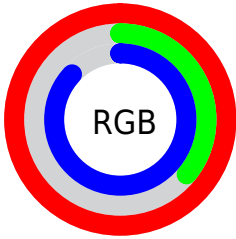
Format	Color
R _Y B	255, 91, 221
Decimal	16735197
CIE Lab	64.93, 75.33, -34.63
CIE LCh	65, 82.905, 335.314
Yxy	33.9626, 0.3541, 0.2072
Android (android.graphics.Color)	4294925277 (0xFFFF5BDD)
YUV	154.8560, 32.6090, 87.8263
Hunter-Lab	58.2774, 75.7633, -32.3585

Details

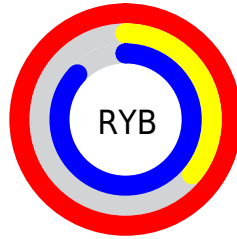
The XYZ color **58.0322, 33.9626, 71.9034** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **43.7774, 75.2254, 31.6173**, and the grayscale version is **30.9368, 32.5479, 35.4446**.

A 20% lighter version of the original color is **70.3566, 50.6132, 100.6689**, and **29.4863, 14.5507, 37.3308** is the 20% darker color. If you saturate the color by 10%, you get **55.5173, 30.0423, 67.6446**, and if you desaturate by 10%, it is **61.3111, 39.3751, 76.5271**.

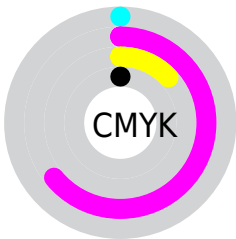
Distribution



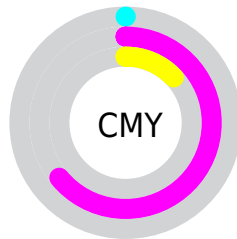
- Red (100%)
- Green (36%)
- Blue (87%)



- Red (100%)
- Yellow (36%)
- Blue (87%)



- Cyan (0%)
- Magenta (64%)
- Yellow (13%)
- Black (0%)





- Cyan (0%)
- Magenta (64%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.0322, 33.9626, 71.9034 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 58.0322, 33.9626, 71.9034 by changing the saturation by 10% instead.


 58.0322, 33.9626,
71.9034


 58.0322, 33.9626,
71.9034

407.2578,
319.9653, 486.1738


 42.0779, 22.8649,
52.5934


 101.0924, 65.8755,
123.6256

 29.3537, 14.4938,
37.0928


 128.9291, 87.4595,
156.8749

 19.4942, 8.4649,
24.9830


 161.4572,
113.3076, 195.6078

 12.1340, 4.3938,
15.8455

 199.0422,
143.8044, 240.2427

 6.9079, 1.8962,
9.2617

242.0494,
179.3341, 291.1982

 3.4504, 0.5461,
4.8131

290.8442,

 1.3962, 0.0000,

220.2813, 348.8929

2.0812

345.7919,
267.0302, 413.7452

■ 0.2535, 0.0000,
0.6046

■ 0.0000, 0.0000,
0.0000

■ 58.0322, 33.9626,
71.9034

■ 58.0322, 33.9626,
71.9034

■ 55.5173, 30.0423,
67.6446

■ 61.3111, 39.3751,
76.5271

■ 53.6852, 27.4526,
63.7214

■ 65.4193, 46.4105,
81.5373

■ 52.4403, 26.0025,
60.1015

■ 70.4178, 55.1903,
86.9556

■ 51.9163, 25.5305,
58.1509

■ 76.3610, 65.8233,
92.8012

83.2991, 78.4091,
99.0917

91.2784, 93.0405,
105.8435

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.



47.4954, 33.9626, 121.0528



58.0322, 33.9626, 71.9034



61.0465, 33.9626, 31.2051

Triad

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



58.0322, 33.9626, 71.9034



30.1956, 33.9626, 2.5193



16.9070, 33.9626, 89.6637

Complementary

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



58.0322, 33.9626, 71.9034



43.7774, 75.2254, 31.6173

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.



14.3596, 33.9626, 43.4257



58.0322, 33.9626, 71.9034



20.7207, 33.9626, 5.0566

Square

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



58.0322, 33.9626, 71.9034



42.8781, 33.9626, 3.6033



15.5596, 33.9626, 15.7172



23.5909, 33.9626, 135.0153

Rectangle

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



58.0322, 33.9626, 71.9034



57.8748, 33.9626, 15.3502



15.5596, 33.9626, 15.7172



15.6252, 33.9626, 72.9276

Sweetspot

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



58.0330, 33.9641, 71.9040



79.9185, 72.2577, 96.0853



30.0761, 18.9743, 96.6850



16.6882, 14.7095, 20.1842



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.



58.0330, 33.9641, 71.9040



54.9610, 29.2220, 66.5576



49.7306, 30.6431, 28.1842



18.6218, 18.2320, 21.8917



27.1835, 13.3627, 30.6805



2.6854, 1.3165, 3.1908

Inverse Universe

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



58.0330, 33.9641, 71.9040



54.9610, 29.2220, 66.5576



51.1918, 78.1912, 70.6611



18.6218, 18.2320, 21.8917



27.1835, 13.3627, 30.6805



2.6854, 1.3165, 3.1908

Previews

White Background



This preview shows how the XYZ color 58.0322, 33.9626, 71.9034 looks on a white background.

Color Contrast Check

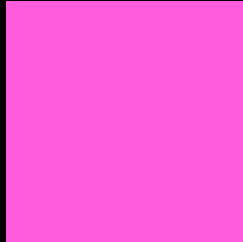
Large Text (above 18pt) WCAG AA × Fail

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 58.0322, 33.9626, 71.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

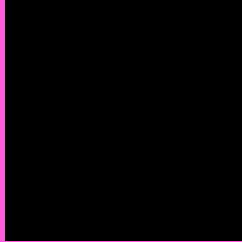
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 58.0322, 33.9626, 71.9034

Background



This preview shows how black text looks on a background with the XYZ color 58.0322, 33.9626, 71.9034.



This preview shows how white text looks on a background with the XYZ color 58.0322, 33.9626,

71.9034.

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

58.0322, 33.9626, 71.9034

Protanopia

37.2426, 34.5142, 99.3068

Deuteranopia

34.8069, 33.9855, 66.3533



Tritanopia

47.7834, 33.6414, 23.7136

Trichromacy



Original Color

58.0322, 33.9626, 71.9034



Protanomaly

40.5774, 31.2984, 88.6966



Deuteranomaly

40.2842, 31.5992, 68.2660



Tritanomaly

50.8625, 33.4381, 37.4917

Monochromacy



Original Color

58.0322, 33.9626, 71.9034



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

37.8738, 30.8336, 46.6031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.0322, 33.9626, 71.9034 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, 91, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 91, 221)  
}
```

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, 91, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 91, 221) }
```

Border

The CSS property to change the border of an element to XYZ 58.0322, 33.9626, 71.9034 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, 91, 221) }
```


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

```
.border{ border-color:rgb(255, 91, 221) }
```

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

Here you see how a box with a 4 pixel rgb(255, 91, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 91, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 91, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 91,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 58.0322, 33.9626, 71.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 91, 221) }
```

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

```
.background{ background-color: rgb(255, 91,  
221) }
```

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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