

Converting Colors

XYZ(58.0159, 33.4906, 79.5520)

Have a look what the booklet for
XYZ(58.0159, 33.4906, 79.5520)
contains.

XYZ(57.9215, 33.4802, 79.7534)	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(57.9215, 33.4802,
79.7534)**

Conversions

Conversions Part 1

Format	Color
Hex	FB59E8
RGB	251, 89, 232
RGB Percent	98%, 35%, 91%
CMY	0.0157, 0.6509, 0.0902
CMYK	0.00, 0.65, 0.08, 0.02
HSL	307°, 95%, 67%
HSV	307°, 65%, 98%
XYZ	57.9215, 33.4802, 79.7534
YIQ	153.7400, 50.6490, 78.8170

Conversions

Conversions Part 2

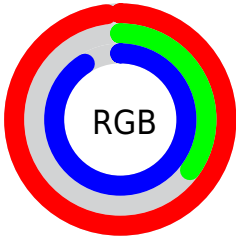
Format	Color
R _{YB}	251, 89, 232
Decimal	16472552
CIE _{Lab}	64.55, 76.72, -41.41
CIE _{LCh}	65, 87.180, 331.641
Yxy	33.4802, 0.3384, 0.1956
Android (android.graphics.Color)	4294662632 (0xFFFB59E8)
YUV	153.7400, 38.5822, 85.2970
Hunter-Lab	57.8621, 77.4247, -41.2181

Details

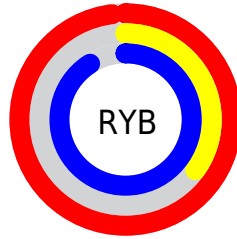
The XYZ color **57.9215, 33.4802, 79.7534** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.3254, 72.2022, 25.9482**, and the grayscale version is **30.4239, 32.0083, 34.8571**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **29.3440, 14.2544, 42.2791** is the 20% darker color. If you saturate the color by 10%, you get **55.7630, 29.8262, 76.9880**, and if you desaturate by 10%, it is **60.8010, 38.5635, 82.7942**.

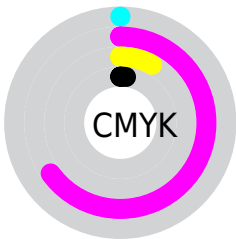
Distribution



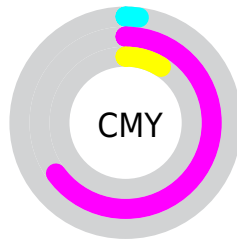
- Red (98%)
- Green (35%)
- Blue (91%)



- Red (98%)
- Yellow (35%)
- Blue (91%)



- Cyan (0%)
- Magenta (65%)
- Yellow (8%)
- Black (2%)





- Cyan (2%)
- Magenta (65%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9215, 33.4802, 79.7534 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 57.9215, 33.4802, 79.7534 by changing the saturation by 10% instead.


 57.9215, 33.4802,
79.7534

 57.9215, 33.4802,
79.7534


406.8519,
317.8080, 513.7862


 41.9886, 22.4946,
58.9905

 100.9322, 65.1245,
134.8272


 29.2834, 14.2207,
42.1855


 128.7406, 86.5520,
169.9752

 19.4407, 8.2744,
28.9199


 161.2382,
112.2289, 210.7553

 12.0950, 4.2710,
18.7752

 198.7904,
142.5395, 257.5860

 6.8811, 1.8263,
11.3328

241.7625,
177.8684, 310.8860

 3.4335, 0.5035,
6.1742

290.5199,

 1.3869, 0.0000,

218.5998, 371.0736

2.8808

345.4279,
265.1182, 438.5675

■ 0.2469, 0.0000,
1.0341

■ 0.0000, 0.0000,
0.0000

■ 57.9215, 33.4802,
79.7534

■ 57.9215, 33.4802,
79.7534

■ 55.7630, 29.8262,
76.9880

■ 60.8010, 38.5635,
82.7942

■ 54.2462, 27.4451,
74.4707


■ 64.4631, 45.2016,
86.1304


■ 53.2792, 26.1525,
72.1709


■ 68.9670, 53.5118,
89.7820


■ 52.9100, 25.7598,
70.9822

■ 74.3649, 63.5988,
93.7667

 80.7050, 75.5587,
98.1007

 88.0319, 89.4807,
102.7989

 93.2114, 99.0964,
106.8170

 93.5941, 99.2494,
108.8319

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1269, 33.4802, 131.7034



57.9215, 33.4802, 79.7534



62.3014, 33.4802, 34.5228

Triad

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



57.9215, 33.4802, 79.7534



31.1402, 33.4802, 1.8842



15.4656, 33.4802, 85.6326

Complementary

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



57.9215, 33.4802, 79.7534



41.3254, 72.2022, 25.9482

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.



13.3713, 33.4802, 38.4564



57.9215, 33.4802, 79.7534



20.8301, 33.4802, 3.6786

Square

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



57.9215, 33.4802, 79.7534



44.6202, 33.4802, 3.2686



15.0450, 33.4802, 12.6018



21.7397, 33.4802, 136.3882

Rectangle

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



57.9215, 33.4802, 79.7534



59.7091, 33.4802, 16.5445



15.0450, 33.4802, 12.6018



14.3360, 33.4802, 68.0875

Sweetspot

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



57.9227, 33.4818, 79.7541



80.5924, 72.5273, 99.6336



27.1589, 17.2936, 93.1743



16.8530, 14.7754, 21.0525



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.



57.9227, 33.4818, 79.7541



57.3472, 30.1765, 79.1234



48.9516, 29.8934, 32.5131



17.9002, 17.4874, 21.3302



27.8470, 13.5545, 37.4982



2.6032, 1.2650, 3.5997

Inverse Universe

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



57.9227, 33.4818, 79.7541



57.3472, 30.1765, 79.1234



47.7930, 74.7893, 60.0062



17.9002, 17.4874, 21.3302



27.8470, 13.5545, 37.4982



2.6032, 1.2650, 3.5997

Previews

White Background



This preview shows how the XYZ color 57.9215, 33.4802, 79.7534 looks on a white background.

Color Contrast Check

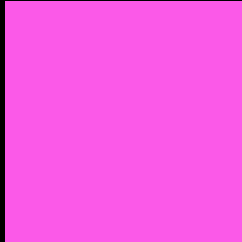
Large Text (above 18pt) WCAG AA × Fail

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 57.9215, 33.4802, 79.7534 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 57.9215, 33.4802, 79.7534

Background



This preview shows how black text looks on a background with the XYZ color 57.9215, 33.4802, 79.7534.



This preview shows how white text looks on a background with the XYZ color 57.9215, 33.4802,

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

57.9215, 33.4802, 79.7534

Protanopia

36.6758, 33.9760, 99.2327

Deuteranopia

34.5790, 33.7032, 73.7901



Tritanopia

46.4283, 33.2774, 24.3982

Trichromacy



Original Color

57.9215, 33.4802, 79.7534



Protanomaly

40.0810, 30.5732, 91.7844



Deuteranomaly

39.7483, 30.9537, 75.8312



Tritanomaly

49.5537, 32.7114, 39.7786

Monochromacy



Original Color

57.9215, 33.4802, 79.7534



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

37.4124, 30.1615, 48.1059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.9215, 33.4802, 79.7534 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(251, 89, 232)` looks like.

```
.text, #text, p{  
    color:rgb(251, 89, 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(251, 89, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 89, 232) }
```

Border

The CSS property to change the border of an element to XYZ 57.9215, 33.4802, 79.7534 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(251, 89, 232) }
```


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

```
.border{ border-color:rgb(251, 89, 232) }
```

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

Here you see how a box with a 4 pixel rgb(251, 89, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 89, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 89, 232);  
box-shadow:4px 4px 4px 4px rgb(251, 89,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 57.9215, 33.4802, 79.7534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 89, 232) }
```

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

```
.background{ background-color: rgb(251, 89,  
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](#).

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