

Converting Colors

XYZ(59.8010, 34.7913, 80.8444)

Have a look what the booklet for
XYZ(59.8010, 34.7913, 80.8444)
contains.

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Color

**XYZ(59.7751, 34.7975,
80.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5CE9
RGB	255, 92, 233
RGB Percent	100%, 36%, 91%
CMY	0.0000, 0.6392, 0.0863
CMYK	0.00, 0.64, 0.09, 0.00
HSL	308°, 100%, 68%
HSV	308°, 64%, 100%
XYZ	59.7751, 34.7975, 80.6569
YIQ	156.8110, 51.8870, 78.4070

Conversions

Conversions Part 2

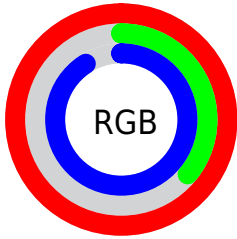
Format	Color
R_{YB}	255, 92, 233
Decimal	16735465
CIE _{Lab}	65.59, 76.70, -40.29
CIE _{LCh}	66, 86.636, 332.287
Yxy	34.7975, 0.3411, 0.1986
Android (android.graphics.Color)	4294925545 (0xFFFF5CE9)
YUV	156.8110, 37.5612, 86.1118
Hunter-Lab	58.9894, 77.6460, -39.7753

Details

The XYZ color **59.7751, 34.7975, 80.6569** 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 **43.2122, 75.0108, 28.1229**, and the grayscale version is **31.7849, 33.4402, 36.4164**.

A 20% lighter version of the original color is **70.5182, 50.9365, 100.7227**, and **30.5612, 15.0158, 42.8826** is the 20% darker color. If you saturate the color by 10%, you get **57.4391, 30.9045, 77.4763**, and if you desaturate by 10%, it is **62.8654, 40.1832, 84.1371**.

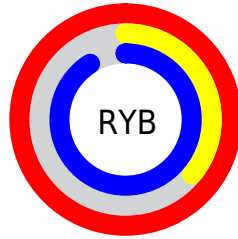
Distribution



Red (100%)

Green (36%)

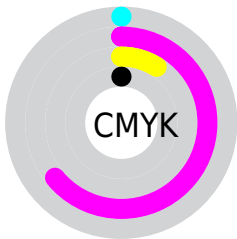
Blue (91%)



Red (100%)

Yellow (36%)

Blue (91%)

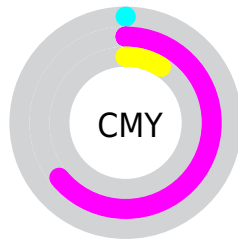


Cyan (0%)

Magenta (64%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (64%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.7751, 34.7975, 80.6569 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 59.7751, 34.7975, 80.6569 by changing the saturation by 10% instead.


 59.7751, 34.7975,
80.6569

 59.7751, 34.7975,
80.6569

413.6163,
323.6736, 516.9089

 43.4862, 23.5069,
59.7297

 103.6116, 67.1719,
136.1086


 30.4629, 14.9683,
42.7769


 131.8898, 89.0246,
171.4703

 20.3400, 8.7971,
29.3800


 164.8951,
115.1668, 212.4805

 12.7522, 4.6091,
19.1205

 202.9930,
145.9828, 259.5578

 7.3339, 2.0198,
11.5797

246.5487,
181.8571, 313.1207

 3.7200, 0.6189,
6.3391

295.9275,

 1.5450, 0.0000,

223.1741, 373.5879

2.9802

351.4950,
270.3181, 441.3778

■ 0.3561, 0.0000,
1.0846

■ 0.0000, 0.0000,
0.0000

■ 59.7751, 34.7975,
80.6569

■ 59.7751, 34.7975,
80.6569

■ 57.4391, 30.9045,
77.4763

■ 62.8654, 40.1832,
84.1371

■ 55.7768, 28.3439,
74.5669

■ 66.7747, 47.1918,
87.9374

■ 54.6936, 26.9264,
71.8973

■ 71.5636, 55.9441,
92.0788

■ 54.2355, 26.4582,
70.3634

■ 77.2863, 66.5483,
96.5796

83.9925, 79.1039,
101.4566

91.7285, 93.7033,
106.7254

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.



47.9237, 34.7975, 133.2259



59.7751, 34.7975, 80.6569



64.0024, 34.7975, 35.1635

Triad

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



59.7751, 34.7975, 80.6569



32.1083, 34.7975, 2.1559



16.4150, 34.7975, 88.9306

Complementary

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



59.7751, 34.7975, 80.6569



43.2122, 75.0108, 28.1229

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.



14.1691, 34.7975, 40.7509



59.7751, 34.7975, 80.6569



21.6603, 34.7975, 4.1734

Square

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



59.7751, 34.7975, 80.6569



45.7930, 34.7975, 3.5639



15.8111, 34.7975, 13.7678



22.9594, 34.7975, 139.7896

Rectangle

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



59.7751, 34.7975, 80.6569



61.2380, 34.7975, 17.0585



15.8111, 34.7975, 13.7678



15.2207, 34.7975, 71.1197

Sweetspot

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



59.7759, 34.7990, 80.6576



80.4588, 72.4738, 98.9303



28.7836, 18.4358, 96.6491



16.8203, 14.7623, 20.8801



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.



59.7759, 34.7990, 80.6576



56.8589, 29.9812, 76.5520



50.7167, 31.1753, 32.9523



18.6810, 18.2557, 22.2031



28.3801, 13.8413, 36.9818



2.7912, 1.3589, 3.7479

Inverse Universe

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



59.7759, 34.7990, 80.6576



56.8589, 29.9812, 76.5520



50.0515, 77.7466, 64.1386



18.6810, 18.2557, 22.2031



28.3801, 13.8413, 36.9818



2.7912, 1.3589, 3.7479

Previews

White Background



This preview shows how the XYZ color 59.7751, 34.7975, 80.6569 looks on a white background.

Color Contrast Check

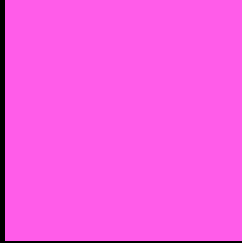
Large Text (above 18pt) WCAG AA × Fail

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 59.7751, 34.7975, 80.6569 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 59.7751, 34.7975, 80.6569

Background



This preview shows how black text looks on a background with the XYZ color 59.7751, 34.7975, 80.6569.



This preview shows how white text looks on a background with the XYZ color 59.7751, 34.7975,

80.6569.

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

59.7751, 34.7975, 80.6569

Protanopia

37.8527, 35.3270, 99.4315

Deuteranopia

36.0274, 35.1847, 74.7045



Tritanopia

48.1749, 34.5195, 25.2429

Trichromacy



Original Color

59.7751, 34.7975, 80.6569



Protanomaly

41.5382, 31.9255, 91.9686



Deuteranomaly

41.4463, 32.4200, 76.7463



Tritanomaly

51.2624, 33.8983, 40.4004

Monochromacy



Original Color

59.7751, 34.7975, 80.6569



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

39.1368, 31.6153, 49.9386

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.7751, 34.7975, 80.6569 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, 92, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 233)  
}
```

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, 92, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 233) }
```

Border

The CSS property to change the border of an element to XYZ 59.7751, 34.7975, 80.6569 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, 92, 233) }
```


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

```
.border{ border-color:rgb(255, 92, 233) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 59.7751, 34.7975, 80.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 233) }
```

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

```
.background{ background-color: rgb(255, 92,  
233) }
```

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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