

Converting Colors

XYZ(59.9599, 34.4310, 84.0081)

Have a look what the booklet for
XYZ(59.9599, 34.4310, 84.0081)
contains.

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Color

**XYZ(59.8780, 34.3886,
84.3707)**

Conversions

Conversions Part 1

Format	Color
Hex	FE59EE
RGB	254, 89, 238
RGB Percent	100%, 35%, 93%
CMY	0.0039, 0.6509, 0.0667
CMYK	0.00, 0.65, 0.06, 0.00
HSL	306°, 99%, 67%
HSV	306°, 65%, 100%
XYZ	59.8780, 34.3886, 84.3707
YIQ	155.3210, 50.5110, 81.3190

Conversions

Conversions Part 2

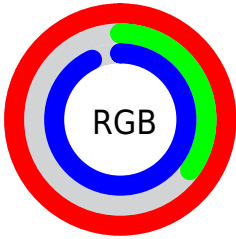
Format	Color
R_{YB}	254, 89, 238
Decimal	16669166
CIE _{Lab}	65.27, 78.33, -43.58
CIE _{LCh}	65, 89.633, 330.909
Yxy	34.3886, 0.3352, 0.1925
Android (android.graphics.Color)	4294859246 (0xFFFE59EE)
YUV	155.3210, 40.7607, 86.5415
Hunter-Lab	58.6418, 79.6398, -44.2540

Details

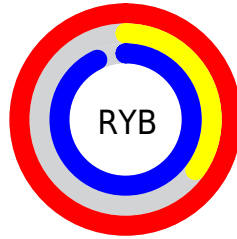
The XYZ color **59.8780, 34.3886, 84.3707** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **42.1130, 74.0287, 25.4363**, and the grayscale version is **31.1089, 32.7290, 35.6419**.

A 20% lighter version of the original color is **70.0374, 49.9749, 100.5625**, and **30.5886, 14.8055, 44.9616** is the 20% darker color. If you saturate the color by 10%, you get **57.7580, 30.7230, 81.8909**, and if you desaturate by 10%, it is **62.7341, 39.5168, 87.1209**.

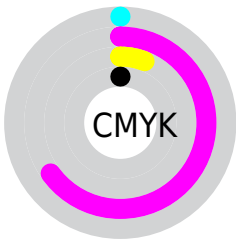
Distribution



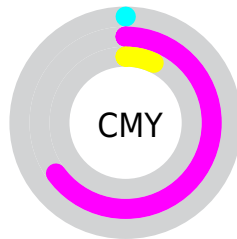
- Red (100%)
- Green (35%)
- Blue (93%)



- Red (100%)
- Yellow (35%)
- Blue (93%)



- Cyan (0%)
- Magenta (65%)
- Yellow (6%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8780, 34.3886, 84.3707 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 59.8780, 34.3886, 84.3707 by changing the saturation by 10% instead.


 59.8780, 34.3886,
84.3707


 59.8780, 34.3886,
84.3707

413.9899,
321.8613, 529.6336


 43.5694, 23.1923,
62.7744

 103.7600, 66.5375,
141.3600


 30.5286, 14.7356,
45.2189


 132.0641, 88.2589,
177.5900

 20.3902, 8.6340,
31.2857


 165.0975,
114.2575, 219.5350

 12.7889, 4.5032,
20.5562

 203.2254,
144.9176, 267.6135

 7.3593, 1.9589,
12.6119

246.8132,
180.6236, 322.2441

 3.7362, 0.5834,
7.0343

296.2264,

 1.5540, 0.0000,

221.7600, 383.8453

3.4048

351.8301,
268.7111, 452.8356

■ 0.3621, 0.0000,
1.3048

■ 0.0000, 0.0000,
0.0658

■ 59.8780, 34.3886,
84.3707

■ 59.8780, 34.3886,
84.3707

■ 57.7580, 30.7230,
81.8909

■ 62.7341, 39.5168,
87.1209

■ 56.2918, 28.3580,
79.6531

■ 66.3902, 46.2379,
90.1619

■ 55.3839, 27.1016,
77.6256

■ 70.9073, 54.6730,
93.5147

■ 55.0679, 26.7488,
76.6597

■ 76.3396, 64.9303,
97.1971

82.7366, 77.1092,
101.2260

90.1445, 91.3017,
105.6167

94.6835, 99.8111,
108.8828

Harmonies

Analogous

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



47.3419, 34.3886, 139.1207



59.8780, 34.3886, 84.3707



64.7378, 34.3886, 36.3143

Triad

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



59.8780, 34.3886, 84.3707



32.2887, 34.3886, 1.7527



15.5387, 34.3886, 87.8118

Complementary

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



59.8780, 34.3886, 84.3707



42.1130, 74.0287, 25.4363

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.



13.4694, 34.3886, 38.5955



59.8780, 34.3886, 84.3707



21.4168, 34.3886, 3.4385

Square

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



59.8780, 34.3886, 84.3707



46.4643, 34.3886, 3.2116



15.2973, 34.3886, 12.2466



21.9414, 34.3886, 141.8747

Rectangle

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



59.8780, 34.3886, 84.3707



62.1715, 34.3886, 17.2077



15.2973, 34.3886, 12.2466



14.4034, 34.3886, 69.3884

Sweetspot

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



59.8792, 34.3902, 84.3714



80.7466, 72.5890, 100.4458



27.0284, 17.1712, 95.6567



16.8909, 14.7906, 21.2517



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.



59.8792, 34.3902, 84.3714



57.7574, 30.1374, 81.9100



50.5970, 30.6773, 35.4919



18.7122, 18.2682, 22.3678



29.0629, 14.1145, 40.5773



2.8509, 1.3827, 4.0622

Inverse Universe

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



59.8792, 34.3902, 84.3714



57.7574, 30.1374, 81.9100



48.3466, 76.5221, 58.2618



18.7122, 18.2682, 22.3678



29.0629, 14.1145, 40.5773



2.8509, 1.3827, 4.0622

Previews

White Background



This preview shows how the XYZ color 59.8780, 34.3886, 84.3707 looks on a white background.

Color Contrast Check

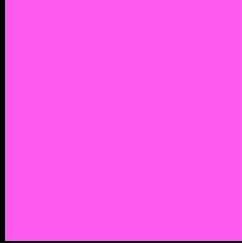
Large Text (above 18pt) WCAG AA × Fail

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 59.8780, 34.3886, 84.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

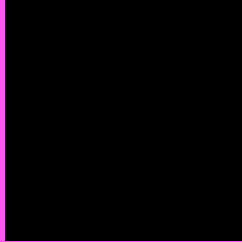
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.8780, 34.3886, 84.3707

Background



This preview shows how black text looks on a background with the XYZ color 59.8780, 34.3886, 84.3707.



This preview shows how white text looks on a background with the XYZ color 59.8780, 34.3886,

84.3707.

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

59.8780, 34.3886, 84.3707

Protanopia

37.5462, 34.9189, 99.3689

Deuteranopia

35.4378, 34.5655, 77.4771



Tritanopia

47.4178, 34.1370, 24.8588

Trichromacy



Original Color

59.8780, 34.3886, 84.3707



Protanomaly

41.4986, 31.6669, 93.5476



Deuteranomaly

40.5796, 31.5022, 79.5431



Tritanomaly

50.6361, 33.3947, 41.3131

Monochromacy



Original Color

59.8780, 34.3886, 84.3707



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

38.3591, 30.8117, 49.8245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8780, 34.3886, 84.3707 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(254, 89, 238)` looks like.

```
.text, #text, p{  
    color:rgb(254, 89, 238)  
}
```

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(254, 89, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 89, 238) }
```

Border

The CSS property to change the border of an element to XYZ 59.8780, 34.3886, 84.3707 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(254, 89, 238) }
```


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

```
.border{ border-color:rgb(254, 89, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 89, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 89, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 89, 238);  
box-shadow:4px 4px 4px 4px rgb(254, 89,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8780, 34.3886, 84.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 89, 238) }
```

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

```
.background{ background-color: rgb(254, 89,  
238) }
```

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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