

Converting Colors

XYZ(59.7942, 35.1359, 79.7375)

Have a look what the booklet for
XYZ(59.7942, 35.1359, 79.7375)
contains.

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Color

**XYZ(59.8082, 35.0916,
79.9650)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5EE8
RGB	255, 94, 232
RGB Percent	100%, 37%, 91%
CMY	0.0000, 0.6313, 0.0902
CMYK	0.00, 0.63, 0.09, 0.00
HSL	309°, 100%, 68%
HSV	309°, 63%, 100%
XYZ	59.8082, 35.0916, 79.9650
YIQ	157.8710, 51.6580, 77.0500

Conversions

Conversions Part 2

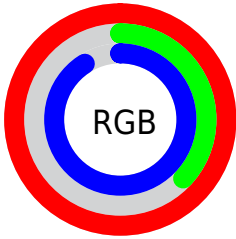
Format	Color
R _{YB}	255, 94, 232
Decimal	16735976
CIE _{Lab}	65.82, 75.79, -39.38
CIE _{LCh}	66, 85.407, 332.546
Yxy	35.0916, 0.3420, 0.2007
Android (android.graphics.Color)	4294926056 (0xFFFF5EE8)
YUV	157.8710, 36.5456, 85.1821
Hunter-Lab	59.2382, 76.5509, -38.5683

Details

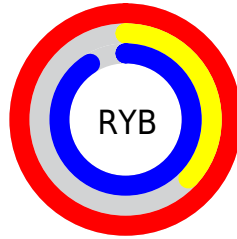
The XYZ color **59.8082, 35.0916, 79.9650** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **43.5882, 75.1846, 29.0466**, and the grayscale version is **32.2658, 33.9462, 36.9674**.

A 20% lighter version of the original color is **70.6812, 51.2625, 100.7771**, and **30.5585, 15.1693, 42.3917** is the 20% darker color. If you saturate the color by 10%, you get **57.3913, 31.0773, 76.6330**, and if you desaturate by 10%, it is **62.9860, 40.6103, 83.6044**.

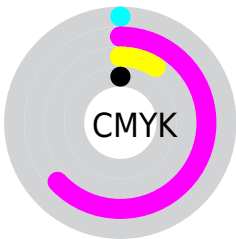
Distribution



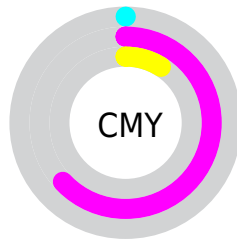
- Red (100%)
- Green (37%)
- Blue (91%)



- Red (100%)
- Yellow (37%)
- Blue (91%)



- Cyan (0%)
- Magenta (63%)
- Yellow (9%)
- Black (0%)





- Cyan (0%)
- Magenta (63%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8082, 35.0916, 79.9650 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 59.8082, 35.0916, 79.9650 by changing the saturation by 10% instead.


 59.8082, 35.0916,
79.9650

 59.8082, 35.0916,
79.9650


413.7365,
324.9725, 514.5185

 43.5129, 23.7334,
59.1636


 103.6593, 67.6276,
135.1275

 30.4840, 15.1360,
42.3239


 131.9459, 89.5743,
170.3256

 20.3562, 8.9149,
29.0275


 164.9602,
115.8193, 211.1597

 12.7640, 4.6857,
18.8559

 203.0677,
146.7470, 258.0483

 7.3421, 2.0641,
11.3904

246.6338,
182.7417, 311.4099

 3.7252, 0.6443,
6.2126

296.0237,

 1.5479, 0.0000,

224.1880, 371.6631

2.9039

351.6028,
271.4701, 439.2265

■ 0.3581, 0.0000,
1.0458

■ 0.0000, 0.0000,
0.0000

■ 59.8082, 35.0916,
79.9650

■ 59.8082, 35.0916,
79.9650

■ 57.3913, 31.0773,
76.6330

■ 62.9860, 40.6103,
83.6044

■ 55.6559, 28.4090,
73.5803

■ 66.9890, 47.7622,
87.5717

■ 54.5091, 26.9011,
70.7762

■ 71.8771, 56.6670,
91.8876

■ 53.9697, 26.3519,
68.9636

■ 77.7043, 67.4324,
96.5704

84.5199, 80.1572,
101.6368

92.3699, 94.9330,
107.1024

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.



48.1618, 35.0916, 131.6424



59.8082, 35.0916, 79.9650



63.8902, 35.0916, 35.2081

Triad

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



59.8082, 35.0916, 79.9650



32.2886, 35.0916, 2.3579



16.8133, 35.0916, 89.0235

Complementary

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



59.8082, 35.0916, 79.9650



43.5882, 75.1846, 29.0466

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.



14.5300, 35.0916, 41.3753



59.8082, 35.0916, 79.9650



21.9420, 35.0916, 4.4856

Square

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



59.8082, 35.0916, 79.9650



45.8189, 35.0916, 3.7863



16.1406, 35.0916, 14.3135



23.3827, 35.0916, 138.8008

Rectangle

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



59.8082, 35.0916, 79.9650



61.1119, 35.0916, 17.2988



16.1406, 35.0916, 14.3135



15.6061, 35.0916, 71.4726

Sweetspot

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



59.8090, 35.0930, 79.9657



80.3994, 72.4501, 98.6175



29.1861, 18.9038, 96.7183



16.8058, 14.7565, 20.8035



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.



59.8090, 35.0930, 79.9657



56.8279, 30.1823, 75.7307



50.9963, 31.5680, 33.5590



18.6745, 18.2531, 22.1690



28.2431, 13.7865, 36.2603



2.7792, 1.3540, 3.6846

Inverse Universe

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



59.8090, 35.0930, 79.9657



56.8279, 30.1823, 75.7307



50.3372, 77.8842, 64.5865



18.6745, 18.2531, 22.1690



28.2431, 13.7865, 36.2603



2.7792, 1.3540, 3.6846

Previews

White Background



This preview shows how the XYZ color 59.8082, 35.0916, 79.9650 looks on a white background.

Color Contrast Check

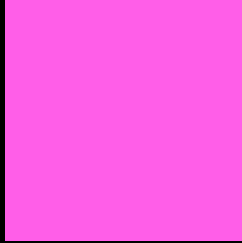
Large Text (above 18pt) WCAG AA × Fail

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 59.8082, 35.0916, 79.9650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

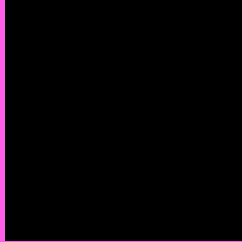
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.8082, 35.0916, 79.9650

Background



This preview shows how black text looks on a background with the XYZ color 59.8082, 35.0916, 79.9650.



This preview shows how white text looks on a background with the XYZ color 59.8082, 35.0916,

79.9650.

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

59.8082, 35.0916, 79.9650

Protanopia

38.1330, 35.4715, 99.4446

Deuteranopia

36.2269, 35.3031, 74.0121



Tritanopia

48.3645, 34.7909, 25.6389

Trichromacy



Original Color

59.8082, 35.0916, 79.9650



Protanomaly

41.8912, 32.3116, 92.0246



Deuteranomaly

41.6828, 32.7640, 76.0787



Tritanomaly

51.5735, 34.3720, 40.9620

Monochromacy



Original Color

59.8082, 35.0916, 79.9650



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

39.4132, 32.1682, 50.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8082, 35.0916, 79.9650 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, 94, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 94, 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(255, 94, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 94, 232) }
```

Border

The CSS property to change the border of an element to XYZ 59.8082, 35.0916, 79.9650 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, 94, 232) }
```


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

```
.border{ border-color:rgb(255, 94, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 94, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 94, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 94, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 94,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8082, 35.0916, 79.9650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 94, 232) }
```

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

```
.background{ background-color: rgb(255, 94,  
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](#).

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