

Converting Colors

XYZ(75.9349, 43.8113, 79.8646)

Have a look what the booklet for
XYZ(75.9349, 43.8113, 79.8646)
contains.

XYZ(59.9385, 35.5789, 79.3096)	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(59.9385, 35.5789,
79.3096)**

Conversions

Conversions Part 1

Format	Color
Hex	FF61E7
RGB	255, 97, 231
RGB Percent	100%, 38%, 91%
CMY	0.0000, 0.6196, 0.0941
CMYK	0.00, 0.62, 0.09, 0.00
HSL	309°, 100%, 69%
HSV	309°, 62%, 100%
XYZ	59.9385, 35.5789, 79.3096
YIQ	159.5180, 51.1540, 75.1700

Conversions

Conversions Part 2

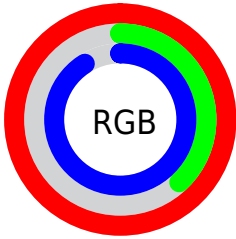
Format	Color
R_{YB}	255, 97, 231
Decimal	16736743
CIE _{Lab}	66.20, 74.47, -38.23
CIE _{LCh}	66, 83.714, 332.826
Yxy	35.5789, 0.3428, 0.2035
Android (android.graphics.Color)	4294926823 (0xFFFF61E7)
YUV	159.5180, 35.2406, 83.7377
Hunter-Lab	59.6481, 74.9851, -37.0799

Details

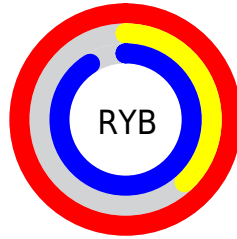
The XYZ color **59.9385, 35.5789, 79.3096** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **44.1422, 75.4425, 30.3268**, and the grayscale version is **33.0204, 34.7400, 37.8319**.

A 20% lighter version of the original color is **71.1785, 52.2569, 100.9428**, and **30.6129, 15.4360, 41.9234** is the 20% darker color. If you saturate the color by 10%, you get **57.4083, 31.3844, 75.7971**, and if you desaturate by 10%, it is **63.2392, 41.2950, 83.1396**.

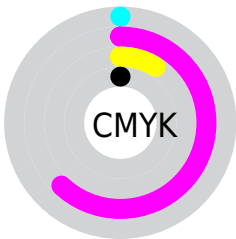
Distribution



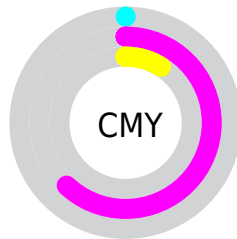
- Red (100%)
- Green (38%)
- Blue (91%)



- Red (100%)
- Yellow (38%)
- Blue (91%)



- Cyan (0%)
- Magenta (62%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.9385, 35.5789, 79.3096 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 59.9385, 35.5789, 79.3096 by changing the saturation by 10% instead.


 59.9385, 35.5789,
79.3096


 59.9385, 35.5789,
79.3096


414.2094,
327.1162, 512.2484


 43.6183, 24.1091,
58.6276


 103.8473, 68.3816,
134.1972


 30.5672, 15.4146,
41.8954


 132.1667, 90.4834,
169.2399

 20.4197, 9.1109,
28.6944


 165.2164,
116.8979, 209.9066

 12.8105, 4.8136,
18.6062

 203.3620,
148.0096, 256.6158

 7.3743, 2.1383,
11.2121

246.9688,
184.2029, 309.7860

 3.7457, 0.6860,
6.0937

296.4020,

 1.5593, 0.0000,

225.8622, 369.8358

2.8325

352.0271,
273.3718, 437.1837

■ 0.3656, 0.0000,
1.0097

■ 0.0000, 0.0000,
0.0000

■ 59.9385, 35.5789,
79.3096

■ 59.9385, 35.5789,
79.3096

■ 57.4083, 31.3844,
75.7971

■ 63.2392, 41.2950,
83.1396

■ 55.5708, 28.5560,
72.5744


■ 67.3738, 48.6593,
87.3072


■ 54.3355, 26.9129,
69.6114

■ 72.4016, 57.7904,
91.8330

■ 53.6690, 26.2316,
67.3800

■ 78.3758, 68.7946,
96.7352

 85.3454, 81.7699,
102.0304

 93.3561, 96.8073,
107.7342

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.



48.5467, 35.5789, 129.8011



59.9385, 35.5789, 79.3096



63.8530, 35.5789, 35.4518

Triad

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



59.9385, 35.5789, 79.3096



32.6484, 35.5789, 2.6702



17.4083, 35.5789, 89.1437

Complementary

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



59.9385, 35.5789, 79.3096



44.1422, 75.4425, 30.3268

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.



15.0806, 35.5789, 42.2241



59.9385, 35.5789, 79.3096



22.4155, 35.5789, 4.9484

Square

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



59.9385, 35.5789, 79.3096



45.9876, 35.5789, 4.1385



16.6601, 35.5789, 15.0846



24.0083, 35.5789, 137.5296

Rectangle

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



59.9385, 35.5789, 79.3096



61.0710, 35.5789, 17.7438



16.6601, 35.5789, 15.0846



16.1853, 35.5789, 71.9411

Sweetspot

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



59.9393, 35.5804, 79.3103



80.3315, 72.4229, 98.2597



30.1695, 19.8146, 96.8422



16.7891, 14.7499, 20.7159



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.



59.9393, 35.5804, 79.3103



56.9794, 30.7010, 75.1162



51.2079, 32.0878, 33.3315



18.6671, 18.2501, 22.1300



28.0881, 13.7245, 35.4438



2.7655, 1.3486, 3.6127

Inverse Universe

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



59.9393, 35.5804, 79.3103



56.9794, 30.7010, 75.1162



51.0812, 78.2181, 66.8669



18.6671, 18.2501, 22.1300



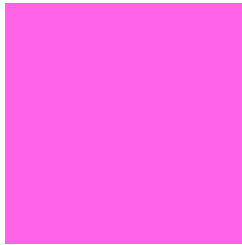
28.0881, 13.7245, 35.4438



2.7655, 1.3486, 3.6127

Previews

White Background



This preview shows how the XYZ color 59.9385, 35.5789, 79.3096 looks on a white background.

Color Contrast Check

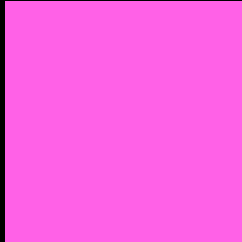
Large Text (above 18pt) WCAG AA × Fail

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 59.9385, 35.5789, 79.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

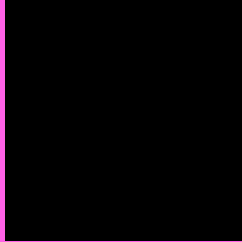
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.9385, 35.5789, 79.3096

Background



This preview shows how black text looks on a background with the XYZ color 59.9385, 35.5789, 79.3096.



This preview shows how white text looks on a background with the XYZ color 59.9385, 35.5789,

79.3096.

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

59.9385, 35.5789, 79.3096

Protanopia

38.5890, 35.9588, 99.5146

Deuteranopia

36.6046, 35.7675, 73.3812



Tritanopia

49.0975, 35.5212, 26.4589

Trichromacy



Original Color

59.9385, 35.5789, 79.3096



Protanomaly

42.4520, 33.0328, 91.3273



Deuteranomaly

41.9232, 33.1118, 75.4158



Tritanomaly

52.2457, 35.0389, 41.5457

Monochromacy



Original Color

59.9385, 35.5789, 79.3096



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

40.3143, 33.0386, 50.7067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9385, 35.5789, 79.3096 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, 97, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 231)  
}
```

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, 97, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 231) }
```

Border

The CSS property to change the border of an element to XYZ 59.9385, 35.5789, 79.3096 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, 97, 231) }
```


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

```
.border{ border-color:rgb(255, 97, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9385, 35.5789, 79.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 231) }
```

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

```
.background{ background-color: rgb(255, 97,  
231) }
```

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