

Converting Colors

XYZ(59.0735, 33.8085, 79.1461)

Have a look what the booklet for
XYZ(59.0735, 33.8085, 79.1461)
contains.

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Color

**XYZ(59.0720, 33.8459,
79.0208)**

Conversions

Conversions Part 1

Format	Color
Hex	FF57E7
RGB	255, 87, 231
RGB Percent	100%, 34%, 91%
CMY	0.0000, 0.6588, 0.0941
CMYK	0.00, 0.66, 0.09, 0.00
HSL	309°, 100%, 67%
HSV	309°, 66%, 100%
XYZ	59.0720, 33.8459, 79.0208
YIQ	153.6480, 53.9040, 80.4000

Conversions

Conversions Part 2

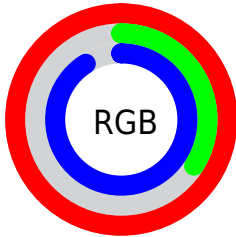
Format	Color
R_{YB}	255, 87, 231
Decimal	16734183
CIE _{Lab}	64.84, 78.25, -40.35
CIE _{LCh}	65, 88.039, 332.720
Yxy	33.8459, 0.3436, 0.1968
Android (android.graphics.Color)	4294924263 (0xFFFF57E7)
YUV	153.6480, 38.1345, 88.8857
Hunter-Lab	58.1772, 79.4352, -39.8082

Details

The XYZ color **59.0720, 33.8459, 79.0208** 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 **42.5609, 74.6945, 27.2155**, and the grayscale version is **30.3846, 31.9669, 34.8120**.

A 20% lighter version of the original color is **69.7237, 49.3474, 100.4579**, and **30.2435, 14.6972, 41.8003** is the 20% darker color. If you saturate the color by 10%, you get **56.8506, 30.2178, 75.7684**, and if you desaturate by 10%, it is **62.0344, 38.9384, 82.5738**.

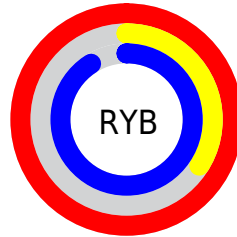
Distribution



Red (100%)

Green (34%)

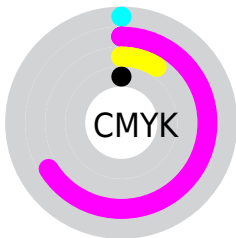
Blue (91%)



Red (100%)

Yellow (34%)

Blue (91%)

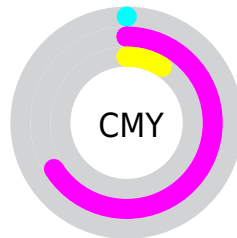


Cyan (0%)

Magenta (66%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (66%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.0720, 33.8459, 79.0208 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 59.0720, 33.8459, 79.0208 by changing the saturation by 10% instead.


 59.0720, 33.8459,
79.0208


 59.0720, 33.8459,
79.0208

411.0584,
319.4444, 511.2462


 42.9177, 22.7752,
58.3915

 102.5963, 65.6940,
133.7871


 30.0148, 14.4276,
41.7067


 130.6970, 87.2401,
168.7611

 19.9979, 8.4187,
28.5478


 163.5106,
113.0470, 209.3538

 12.5018, 4.3640,
18.4964

 201.4024,
143.4988, 255.9837

 7.1610, 1.8792,
11.1338

244.7377,
178.9801, 309.0694

 3.6102, 0.5358,
6.0416

293.8819,

 1.4841, 0.0000,

219.8752, 369.0293

2.8012

349.2004,
266.5685, 436.2821

■ 0.3150, 0.0000,
0.9940

■ 0.0000, 0.0000,
0.0000

■ 59.0720, 33.8459,
79.0208

■ 59.0720, 33.8459,
79.0208

■ 56.8506, 30.2178,
75.7684

■ 62.0344, 38.9384,
82.5738

■ 55.2870, 27.8886,
72.7874

■ 65.8044, 45.6293,
86.4488

■ 54.2819, 26.6593,
70.0448

■ 70.4441, 54.0418,
90.6672

■ 53.9697, 26.3519,
68.9637

■ 76.0084, 64.2864,
95.2475

82.5479, 76.4639,
100.2070

90.1096, 90.6679,
105.5616

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.



47.2316, 33.8459, 132.3578



59.0720, 33.8459, 79.0208



63.1898, 33.8459, 33.6371

Triad

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



59.0720, 33.8459, 79.0208



31.0263, 33.8459, 1.8526



15.7066, 33.8459, 88.9540

Complementary

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



59.0720, 33.8459, 79.0208



42.5609, 74.6945, 27.2155

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.



13.4430, 33.8459, 40.2664



59.0720, 33.8459, 79.0208



20.7074, 33.8459, 3.7915

Square

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



59.0720, 33.8459, 79.0208



44.6898, 33.8459, 3.1095



15.0001, 33.8459, 13.2172



22.2377, 33.8459, 140.2823

Rectangle

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



59.0720, 33.8459, 79.0208



60.3102, 33.8459, 15.9259



15.0001, 33.8459, 13.2172



14.5124, 33.8459, 70.9387

Sweetspot

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



59.0728, 33.8473, 79.0214



79.7318, 71.2053, 98.1162



27.8158, 17.3148, 96.4838



16.6757, 14.5147, 20.7038



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.



59.0728, 33.8473, 79.0214



56.2961, 29.3598, 74.8103



50.0422, 30.2351, 31.4673



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.



59.0728, 33.8473, 79.0214



56.2961, 29.3598, 74.8103



49.3619, 77.4149, 63.0291



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 59.0720, 33.8459, 79.0208 looks on a white background.

Color Contrast Check

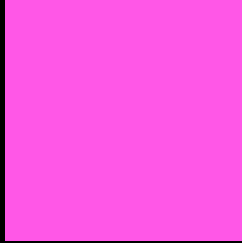
Large Text (above 18pt) WCAG AA × Fail

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 59.0720, 33.8459, 79.0208 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 59.0720, 33.8459, 79.0208

Background



This preview shows how black text looks on a background with the XYZ color 59.0720, 33.8459, 79.0208.



This preview shows how white text looks on a background with the XYZ color 59.0720, 33.8459,

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

59.0720, 33.8459, 79.0208

Protanopia

36.9417, 34.1131, 99.2452

Deuteranopia

34.9601, 34.1785, 72.4647



Tritanopia

47.5526, 33.6963, 23.7364

Trichromacy



Original Color

59.0720, 33.8459, 79.0208



Protanomaly

40.5535, 30.8346, 91.0030



Deuteranomaly

40.1613, 31.1981, 74.4261



Tritanomaly

50.6699, 33.1522, 38.8504

Monochromacy



Original Color

59.0720, 33.8459, 79.0208



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

37.9120, 30.4190, 48.1292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0720, 33.8459, 79.0208 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, 87, 231)` looks like.

```
.text, #text, p{  
    color:rgb(255, 87, 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, 87, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 87, 231) }
```

Border

The CSS property to change the border of an element to XYZ 59.0720, 33.8459, 79.0208 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, 87, 231) }
```


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

```
.border{ border-color:rgb(255, 87, 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, 87, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 87, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 87, 231);  
box-shadow:4px 4px 4px 4px rgb(255, 87,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0720, 33.8459, 79.0208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 87, 231) }
```

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

```
.background{ background-color: rgb(255, 87,  
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](#).

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