

Converting Colors

XYZ(59.2218, 33.5439, 80.9256)

Have a look what the booklet for
XYZ(59.2218, 33.5439, 80.9256)
contains.

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Color

**XYZ(59.2616, 33.5412,
81.1926)**

Conversions

Conversions Part 1

Format	Color
Hex	FF54EA
RGB	255, 84, 234
RGB Percent	100%, 33%, 92%
CMY	0.0000, 0.6706, 0.0824
CMYK	0.00, 0.67, 0.08, 0.00
HSL	307°, 100%, 66%
HSV	307°, 67%, 100%
XYZ	59.2616, 33.5412, 81.1926
YIQ	152.2290, 53.7660, 82.9020

Conversions

Conversions Part 2

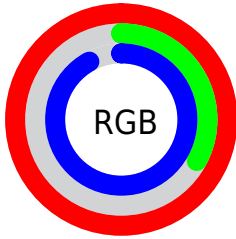
Format	Color
R _{YB}	255, 84, 234
Decimal	16733418
CIE _{Lab}	64.60, 79.75, -42.40
CIE _{LCh}	65, 90.323, 332.001
Yxy	33.5412, 0.3406, 0.1928
Android (android.graphics.Color)	4294923498 (0xFFFF54EA)
YUV	152.2290, 40.3131, 90.1302
Hunter-Lab	57.9148, 81.3003, -42.5803

Details

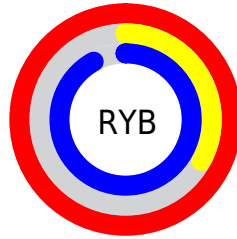
The XYZ color **59.2616, 33.5412, 81.1926** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **41.9672, 74.4253, 25.5205**, and the grayscale version is **29.7607, 31.3106, 34.0972**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **30.2840, 14.6837, 43.3576** is the 20% darker color. If you saturate the color by 10%, you get **57.1841, 30.0998, 78.3002**, and if you desaturate by 10%, it is **62.0685, 38.4284, 84.3681**.

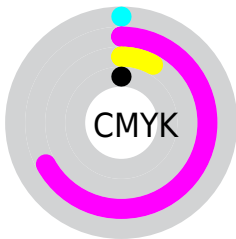
Distribution



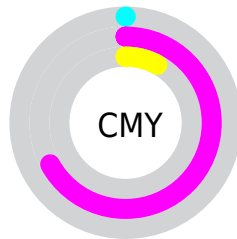
- Red (100%)
- Green (33%)
- Blue (92%)



- Red (100%)
- Yellow (33%)
- Blue (92%)



- Cyan (0%)
- Magenta (67%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (67%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.2616, 33.5412, 81.1926 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 59.2616, 33.5412, 81.1926 by changing the saturation by 10% instead.


 59.2616, 33.5412,
81.1926


 59.2616, 33.5412,
81.1926


411.7492,
318.0814, 518.7553

 43.0709, 22.5414,
60.1683


 102.8702, 65.2196,
136.8677


 30.1355, 14.2552,
43.1281


 131.0189, 86.6669,
172.3555

 20.0901, 8.2984,
29.6535


 163.8843,
112.3655, 213.5017

 12.5692, 4.2865,
19.3259

 201.8317,
142.6997, 260.7246

 7.2075, 1.8351,
11.7268

245.2265,
178.0541, 314.4429

 3.6397, 0.5089,
6.4377

294.4342,

 1.5004, 0.0000,

218.8128, 375.0751

3.0399

349.8199,
265.3605, 443.0397

■ 0.3261, 0.0000,
1.1151

■ 0.0000, 0.0000,
0.0000

■ 59.2616, 33.5412,
81.1926

■ 59.2616, 33.5412,
81.1926

■ 57.1841, 30.0998,
78.3002

■ 62.0685, 38.4284,
84.3681

■ 55.7512, 27.9351,
75.6613

■ 65.6726, 44.8974,
87.8485

■ 54.8584, 26.8377,
73.2413

■ 70.1367, 53.0734,
91.6551

■ 54.6516, 26.6247,
72.5547

■ 75.5164, 63.0678,
95.8068

81.8628, 74.9826,
100.3207

89.2231, 88.9121,
105.2128

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.



46.9563, 33.5412, 136.3206



59.2616, 33.5412, 81.1926



63.7475, 33.5412, 34.0903

Triad

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



59.2616, 33.5412, 81.1926



31.0196, 33.5412, 1.5712



15.1002, 33.5412, 88.7516

Complementary

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



59.2616, 33.5412, 81.1926



41.9672, 74.4253, 25.5205

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.



12.9269, 33.5412, 39.0639



59.2616, 33.5412, 81.1926



20.4347, 33.5412, 3.3009

Square

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



59.2616, 33.5412, 81.1926



45.0364, 33.5412, 2.8250



14.5788, 33.5412, 12.2523



21.5732, 33.5412, 142.3915

Rectangle

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



59.2616, 33.5412, 81.1926



60.9397, 33.5412, 15.8111



14.5788, 33.5412, 12.2523



13.9358, 33.5412, 70.2227

Sweetspot

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



59.2624, 33.5426, 81.1932



79.8907, 71.2689, 98.9529



26.9251, 16.5026, 96.3740



16.7143, 14.5302, 20.9070



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.



59.2624, 33.5426, 81.1932



56.6993, 29.3378, 77.4981



49.8803, 29.7898, 31.7879



18.6910, 18.2597, 22.2558



28.5946, 13.9271, 38.1110



2.8100, 1.3664, 3.8469

Inverse Universe

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



59.2624, 33.5426, 81.1932



56.6993, 29.3378, 77.4981



48.6516, 77.0991, 60.7200



18.6910, 18.2597, 22.2558



28.5946, 13.9271, 38.1110



2.8100, 1.3664, 3.8469

Previews

White Background



This preview shows how the XYZ color 59.2616, 33.5412, 81.1926 looks on a white background.

Color Contrast Check

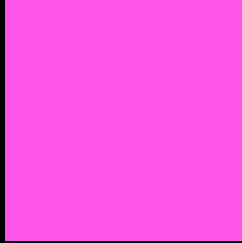
Large Text (above 18pt) WCAG AA × Fail

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 59.2616, 33.5412, 81.1926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

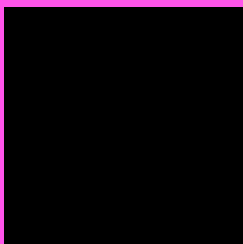
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.2616, 33.5412, 81.1926

Background



This preview shows how black text looks on a background with the XYZ color 59.2616, 33.5412, 81.1926.



This preview shows how white text looks on a background with the XYZ color 59.2616, 33.5412,

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

59.2616, 33.5412, 81.1926

Protanopia

36.6758, 33.9760, 99.2327

Deuteranopia

34.5563, 33.6759, 74.4908



Tritanopia

47.3712, 33.4363, 23.3592

Trichromacy



Original Color

59.2616, 33.5412, 81.1926



Protanomaly

40.3646, 30.5229, 91.7597



Deuteranomaly

39.8468, 30.5937, 76.4781



Tritanomaly

50.5545, 32.7762, 39.2592

Monochromacy



Original Color

59.2616, 33.5412, 81.1926



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

37.0191, 29.3750, 47.9748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2616, 33.5412, 81.1926 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, 84, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 234)  
}
```

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, 84, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 234) }
```

Border

The CSS property to change the border of an element to XYZ 59.2616, 33.5412, 81.1926 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, 84, 234) }
```


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

```
.border{ border-color:rgb(255, 84, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2616, 33.5412, 81.1926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 234) }
```

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

```
.background{ background-color: rgb(255, 84,  
234) }
```

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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