

Converting Colors

XYZ(59.5771, 35.6813, 98.3549)

Have a look what the booklet for
XYZ(59.5771, 35.6813, 98.3549)
contains.

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Color

**XYZ(59.4193, 35.6000,
98.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	F266FF
RGB	242, 102, 255
RGB Percent	95%, 40%, 100%
CMY	0.0510, 0.6000, 0.0000
CMYK	0.05, 0.60, 0.00, 0.00
HSL	295°, 100%, 70%
HSV	295°, 60%, 100%
XYZ	59.4193, 35.6000, 98.3475
YIQ	161.3020, 34.3270, 77.2630

Conversions

Conversions Part 2

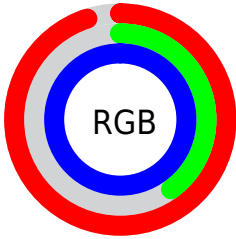
Format	Color
R _Y B	242, 102, 255
Decimal	15886079
CIE _{Lab}	66.21, 73.16, -51.58
CIE _{LCh}	66, 89.518, 324.815
Yxy	35.6000, 0.3073, 0.1841
Android (android.graphics.Color)	4294076159 (0xFF266FF)
YUV	161.3020, 46.1931, 70.7721
Hunter-Lab	59.6657, 73.3477, -55.9622

Details

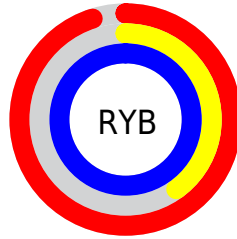
The XYZ color **59.4193, 35.6000, 98.3475** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.2294, 76.1246, 24.8817**, and the grayscale version is **33.7989, 35.5590, 38.7238**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.4146, 15.5307, 54.8208** is the 20% darker color. If you saturate the color by 10%, you get **56.5488, 30.9554, 97.6023**, and if you desaturate by 10%, it is **63.0716, 41.7930, 99.3504**.

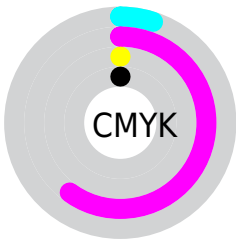
Distribution



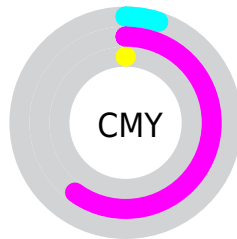
- Red (95%)
- Green (40%)
- Blue (100%)



- Red (95%)
- Yellow (40%)
- Blue (100%)



- Cyan (5%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4193, 35.6000, 98.3475 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 59.4193, 35.6000, 98.3475 by changing the saturation by 10% instead.


 59.4193, 35.6000,
98.3475


 59.4193, 35.6000,
98.3475


412.3231,
327.2088, 576.0829


 43.1984, 24.1254,
74.3120


 103.0980, 68.4142,
160.9164


 30.2360, 15.4267,
54.5511


 131.2865, 90.5227,
200.2869

 20.1668, 9.1194,
38.6463


 164.1949,
116.9445, 245.6062

 12.6253, 4.8191,
26.1789

 202.1886,
148.0642, 297.2928

 7.2462, 2.1415,
16.7306

245.6329,
184.2661, 355.7652

 3.6643, 0.6878,
9.8827

294.8932,

 1.5140, 0.0000,

225.9345, 421.4420

5.2167

350.3348,
273.4540, 494.7417

■ 0.3353, 0.0000,
2.3140

■ 0.0000, 0.0000,
0.7390

■ 59.4193, 35.6000,
98.3475

■ 59.4193, 35.6000,
98.3475

■ 56.5488, 30.9554,
97.6023

■ 63.0716, 41.7930,
99.3504

■ 54.3829, 27.7081,
97.0896

■ 67.5658, 49.6579,
100.6316

■ 52.8356, 25.6849,
96.7807

■ 72.9606, 59.3108,
102.2104

■ 51.7641, 24.6004,
96.6278

■ 79.3084, 70.8562,
104.1044

■ 51.7639, 24.6001,
96.6278

■ 86.6572, 84.3907,
106.3294

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.



45.7800, 35.6000, 150.9331



59.4193, 35.6000, 98.3475



66.3385, 35.6000, 45.7856

Triad

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



59.4193, 35.6000, 98.3475



36.2076, 35.6000, 1.9801



15.4903, 35.6000, 78.4747

Complementary

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



59.4193, 35.6000, 98.3475



45.2294, 76.1246, 24.8817

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.



14.1848, 35.6000, 32.4967



59.4193, 35.6000, 98.3475



24.1754, 35.6000, 3.0130

Square

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



59.4193, 35.6000, 98.3475



50.8680, 35.6000, 4.3908



16.9081, 35.6000, 9.9764



21.1071, 35.6000, 135.0944

Rectangle

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



59.4193, 35.6000, 98.3475



65.1744, 35.6000, 22.8534



16.9081, 35.6000, 9.9764



14.6076, 35.6000, 60.7359

Sweetspot

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



59.4205, 35.6015, 98.3477



80.6948, 73.3979, 104.5219



29.9272, 22.8391, 97.4388



16.8426, 14.9233, 22.2427



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.



59.4205, 35.6015, 98.3477



56.0611, 30.1982, 97.4818



55.7074, 34.6501, 54.6748



18.6315, 18.2173, 22.7842



27.1111, 12.8867, 50.4931



2.6827, 1.2769, 4.9183

Inverse Universe

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



49.0867, 32.0019, 19.8108



45.2390, 26.5056, 11.7482



47.8693, 76.9968, 47.0850



18.0720, 18.0121, 18.9964



21.6442, 11.1470, 1.5108



2.1278, 1.0935, 0.2544

Previews

White Background



This preview shows how the XYZ color 59.4193, 35.6000, 98.3475 looks on a white background.

Color Contrast Check

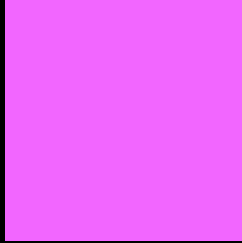
Large Text (above 18pt) WCAG AA × Fail

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 59.4193, 35.6000, 98.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

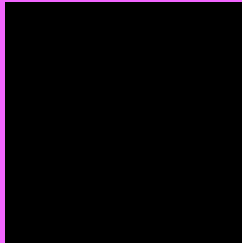
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.4193, 35.6000, 98.3475

Background



This preview shows how black text looks on a background with the XYZ color 59.4193, 35.6000, 98.3475.



This preview shows how white text looks on a background with the XYZ color 59.4193, 35.6000,

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

59.4193, 35.6000, 98.3475

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

37.1115, 36.1473, 91.4073



Tritanopia

45.3404, 35.2522, 30.4013

Trichromacy



Original Color

59.4193, 35.6000, 98.3475



Protanomaly

42.8644, 33.5039, 98.8155



Deuteranomaly

41.9940, 33.5951, 93.8937

Tritanomaly

49.2155, 34.7034, 49.4519

Monochromacy



Original Color

59.4193, 35.6000, 98.3475



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

40.4636, 33.6434, 55.9909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4193, 35.6000, 98.3475 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(242, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 102, 255)  
}
```

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(242, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.4193, 35.6000, 98.3475 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(242, 102, 255) }
```


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

```
.border{ border-color:rgb(242, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4193, 35.6000, 98.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 102, 255) }
```

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

```
.background{ background-color: rgb(242,  
102, 255) }
```

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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