

# Converting Colors

XYZ(58.9531, 35.3596, 98.3257)

Have a look what the booklet for  
XYZ(58.9531, 35.3596, 98.3257)  
contains.

<b>XYZ(59.0770, 35.4235, 98.3315)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(59.0770, 35.4235,  
98.3315)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F166FF
RGB	241, 102, 255
RGB Percent	95%, 40%, 100%
CMY	0.0549, 0.6000, 0.0000
CMYK	0.05, 0.60, 0.00, 0.00
HSL	295°, 100%, 70%
HSV	295°, 60%, 100%
XYZ	59.0770, 35.4235, 98.3315
YIQ	161.0030, 33.7310, 77.0510

# Conversions

## Conversions Part 2

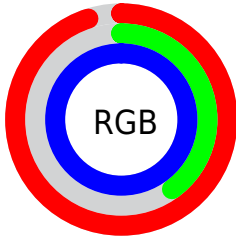
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	241, 102, 255
Decimal	15820543
CIE <sub>Lab</sub>	66.08, 72.93, -51.81
CIE <sub>LCh</sub>	66, 89.455, 324.610
Yxy	35.4235, 0.3064, 0.1837
Android (android.graphics.Color)	4294010623 (0xFFFF166FF)
YUV	161.0030, 46.3405, 70.1574
Hunter-Lab	59.5176, 73.0226, -56.2930

# Details

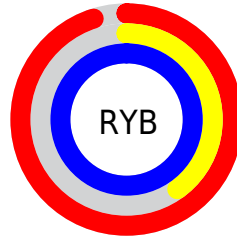
The XYZ color **59.0770, 35.4235, 98.3315** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **45.3616, 76.1927, 24.8878**, and the grayscale version is **33.6598, 35.4127, 38.5645**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **30.1776, 15.4085, 54.8097** is the 20% darker color. If you saturate the color by 10%, you get **56.1543, 30.7520, 97.5838**, and if you desaturate by 10%, it is **62.7828, 41.6441, 99.3368**.

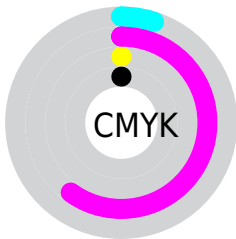
# Distribution



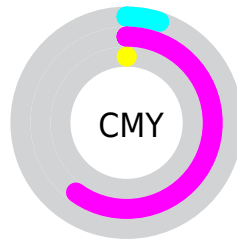
- Red (95%)
- Green (40%)
- Blue (100%)



- 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 59.0770, 35.4235, 98.3315 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 59.0770, 35.4235, 98.3315 by changing the saturation by 10% instead.





 59.0770, 35.4235,  
98.3315


 59.0770, 35.4235,  
98.3315

411.0767,  
326.4337, 576.0309

 42.9217, 23.9893,  
74.2987

 102.6036, 68.1413,  
160.8942


 30.0180, 15.3257,  
54.5403


 130.7055, 90.1937,  
200.2612

 20.0004, 9.0483,  
38.6377


 163.5205,  
116.5543, 245.5768

 12.5036, 4.7727,  
26.1723

 201.4137,  
147.6074, 297.2593

 7.1622, 2.1145,  
16.7257

244.7506,  
183.7376, 355.7275

 3.6110, 0.6728,  
9.8792

293.8964,

 1.4845, 0.0000,

225.3291, 421.3998

5.2144

349.2167,  
272.7663, 494.6947

■ 0.3153, 0.0000,  
2.3127

■ 0.0000, 0.0000,  
0.7383

■ 59.0770, 35.4235,  
98.3315

■ 59.0770, 35.4235,  
98.3315

■ 56.1543, 30.7520,  
97.5838

■ 62.7828, 41.6441,  
99.3368

■ 53.9377, 27.4786,  
97.0688

■ 67.3319, 49.5373,  
100.6206

■ 52.3411, 25.4300,  
96.7575

■ 72.7831, 59.2192,  
102.2021

■ 51.2216, 24.3207,  
96.6024

■ 79.1885, 70.7944,  
104.0987

■ 51.2214, 24.3205,  
96.6024

■ 86.5965, 84.3593,  
106.3266

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.



45.4643, 35.4235, 150.6115



59.0770, 35.4235, 98.3315



66.0343, 35.4235, 45.8567

# Triad

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



59.0770, 35.4235, 98.3315



36.1254, 35.4235, 1.9641



15.3778, 35.4235, 77.7535

# Complementary

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



59.0770, 35.4235, 98.3315



45.3616, 76.1927, 24.8878

# 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.



14.1056, 35.4235, 32.0996



59.0770, 35.4235, 98.3315



24.1136, 35.4235, 2.9668

# Square

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



59.0770, 35.4235, 98.3315



50.7319, 35.4235, 4.3910



16.8449, 35.4235, 9.8249



20.9380, 35.4235, 134.2089



# Rectangle

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



59.0770, 35.4235, 98.3315



64.9235, 35.4235, 22.9054



16.8449, 35.4235, 9.8249



14.5086, 35.4235, 60.1188

# Sweetspot

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



59.0782, 35.4250, 98.3317



80.5868, 73.3422, 104.5168



29.9271, 22.8390, 97.4388



16.8158, 14.9095, 22.2415



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.



59.0782, 35.4250, 98.3317



55.6564, 29.9896, 97.4629



55.7074, 34.6501, 54.6747



18.6191, 18.2109, 22.7837



26.8318, 12.7428, 50.4800



2.6584, 1.2644, 4.9172



# Inverse Universe

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



49.1446, 32.0249, 20.1154



45.2884, 26.5254, 12.0086



47.8693, 76.9968, 47.0849



18.0769, 18.0141, 19.0219



21.6539, 11.1509, 1.5620



2.1301, 1.0944, 0.2665



# Previews

## White Background



This preview shows how the XYZ color 59.0770, 35.4235, 98.3315 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

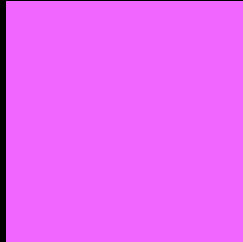
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.0770, 35.4235, 98.3315 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

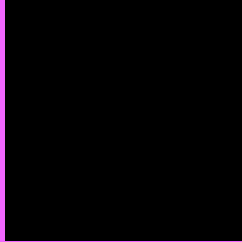
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.0770, 35.4235, 98.3315**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.0770, 35.4235, 98.3315.



This preview shows how white text looks on a background with the XYZ color 59.0770, 35.4235,



# 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

59.0770, 35.4235, 98.3315

### Protanopia

38.3029, 35.8113, 99.5012

### Deuteranopia

36.7980, 35.7273, 91.3428



## Tritanopia

45.0240, 35.0891, 30.3865

# Trichromacy



## Original Color

59.0770, 35.4235, 98.3315



## Protanomaly

42.6555, 33.3963, 98.8057



## Deuteranomaly

41.6413, 33.1973, 93.8355



## Tritanomaly

48.8900, 34.5356, 49.4366

# Monochromacy



## Original Color

59.0770, 35.4235, 98.3315



## 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 59.0770, 35.4235, 98.3315 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(241, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 102, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.0770, 35.4235, 98.3315 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(241, 102, 255) }
```



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

```
.border{ border-color:rgb(241, 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(241, 102, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 102,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.0770, 35.4235, 98.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 102, 255) }
```

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

```
.background{ background-color: rgb(241,  
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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