

# Converting Colors

XYZ(67.2695, 37.8560,  
138.4297)

Have a look what the booklet for  
XYZ(67.2695, 37.8560, 138.4297)  
contains.

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# Color

**XYZ(59.5411, 34.8188,  
98.1903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F460FF
RGB	244, 96, 255
RGB Percent	96%, 38%, 100%
CMY	0.0431, 0.6235, 0.0000
CMYK	0.04, 0.62, 0.00, 0.00
HSL	296°, 100%, 69%
HSV	296°, 62%, 100%
XYZ	59.5411, 34.8188, 98.1903
YIQ	158.3780, 37.1690, 80.8250

# Conversions

## Conversions Part 2

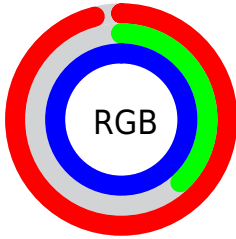
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	244, 96, 255
Decimal	16015615
CIE <sub>Lab</sub>	65.61, 76.07, -52.52
CIE <sub>LCh</sub>	66, 92.438, 325.375
Yxy	34.8188, 0.3092, 0.1808
Android (android.graphics.Color)	4294205695 (0xFFFF460FF)
YUV	158.3780, 47.6346, 75.0905
Hunter-Lab	59.0075, 76.8512, -57.3552

# Details

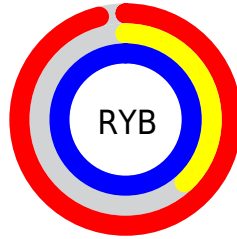
The XYZ color **59.5411, 34.8188, 98.1903** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **43.9355, 75.4907, 23.3233**, and the grayscale version is **32.4510, 34.1410, 37.1795**.

A 20% lighter version of the original color is **71.0113, 51.9227, 100.8871**, and **30.3078, 14.9628, 54.7168** is the 20% darker color. If you saturate the color by 10%, you get **56.9717, 30.5833, 97.5082**, and if you desaturate by 10%, it is **62.8730, 40.5686, 99.1245**.

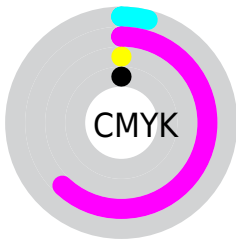
# Distribution



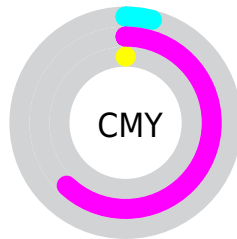
- Red (96%)
- Green (38%)
- Blue (100%)



- Red (96%)
- Yellow (38%)
- Blue (100%)



- Cyan (4%)
- Magenta (62%)
- Yellow (0%)
- Black (0%)




- Cyan (4%)
- Magenta (62%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5411, 34.8188, 98.1903 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 59.5411, 34.8188, 98.1903 by changing the saturation by 10% instead.





 59.5411, 34.8188,  
98.1903


 59.5411, 34.8188,  
98.1903

412.7661,  
323.7678, 575.5719


 43.2969, 23.5233,  
74.1816

 103.2738, 67.2050,  
160.6981


 30.3137, 14.9804,  
54.4450


 131.4931, 89.0644,  
200.0344

 20.2260, 8.8056,  
38.5620


 164.4347,  
115.2141, 245.3168

 12.6687, 4.6146,  
26.1139

 202.4641,  
146.0382, 296.9641

 7.2762, 2.0230,  
16.6824

245.9465,  
181.9212, 355.3947

 3.6833, 0.6208,  
9.8487

295.2475,

 1.5246, 0.0000,

223.2476, 421.0272

5.1945

350.7322,  
270.4016, 494.2801

■ 0.3425, 0.0000,  
2.3011

■ 0.0000, 0.0000,  
0.7318

■ 59.5411, 34.8188,  
98.1903

■ 59.5411, 34.8188,  
98.1903

■ 56.9717, 30.5833,  
97.5082

■ 62.8730, 40.5686,  
99.1245

■ 55.0850, 27.7056,  
97.0522

■ 67.0295, 47.9600,  
100.3321

■ 53.7904, 26.0034,  
96.7918

■ 72.0707, 57.1118,  
101.8329

■ 53.0957, 25.2867,  
96.6901

■ 78.0499, 68.1309,  
103.6446

■ 85.0162, 81.1154,  
105.7837

■ 93.0152, 96.1566,  
108.2654

■ 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.



45.5813, 34.8188, 153.4288



59.5411, 34.8188, 98.1903



66.5063, 34.8188, 44.2621

# Triad

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



59.5411, 34.8188, 98.1903



35.2430, 34.8188, 1.5590



14.6750, 34.8188, 79.7936

# Complementary

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



59.5411, 34.8188, 98.1903



43.9355, 75.4907, 23.3233

# 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.



13.3057, 34.8188, 32.1999



59.5411, 34.8188, 98.1903



23.1253, 34.8188, 2.5448

# Square

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



59.5411, 34.8188, 98.1903



50.2429, 34.8188, 3.6754



15.9328, 34.8188, 9.3316



20.3729, 34.8188, 138.6299



# Rectangle

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



59.5411, 34.8188, 98.1903



65.1638, 34.8188, 21.3513



15.9328, 34.8188, 9.3316



13.7734, 34.8188, 61.3737

# Sweetspot

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



59.5423, 34.8203, 98.1905



80.2717, 72.2578, 104.3241



28.3705, 20.6990, 97.1078



16.7740, 14.7091, 22.2050



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.



59.5423, 34.8203, 98.1905



56.4086, 29.6953, 97.3665



54.5819, 33.2902, 51.5523



18.6613, 18.2327, 22.7856



27.7964, 13.2400, 50.5251



2.7422, 1.3076, 4.9211



# Inverse Universe

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



48.0775, 30.6885, 17.3006



44.3982, 25.4342, 9.5866



47.1287, 76.6248, 46.6068



18.0603, 18.0074, 18.9349



21.6229, 11.1385, 1.3989



2.1223, 1.0913, 0.2254



# Previews

## White Background



This preview shows how the XYZ color 59.5411, 34.8188, 98.1903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

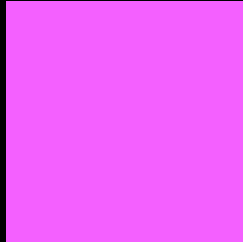
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5411, 34.8188, 98.1903 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 59.5411, 34.8188, 98.1903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.5411, 34.8188, 98.1903.



This preview shows how white text looks on a background with the XYZ color 59.5411, 34.8188,



# 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

59.5411, 34.8188, 98.1903

### Protanopia

37.8527, 35.3270, 99.4315

### Deuteranopia

36.0634, 35.1098, 90.4641



## Tritanopia

45.2760, 34.6523, 28.7284

# Trichromacy



## Original Color

59.5411, 34.8188, 98.1903



## Protanomaly

42.2310, 32.5473, 98.6642



## Deuteranomaly

40.8517, 32.1722, 92.8637



## Tritanomaly

49.0799, 33.9552, 47.6833

# Monochromacy



## Original Color

59.5411, 34.8188, 98.1903



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

39.2759, 31.9970, 54.5581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5411, 34.8188, 98.1903 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(244, 96, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 96, 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(244, 96, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 96, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5411, 34.8188, 98.1903 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(244, 96, 255) }
```



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

```
.border{ border-color:rgb(244, 96, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 96, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 96, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 96, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 96,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5411, 34.8188, 98.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 96, 255) }
```

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

```
.background{ background-color: rgb(244, 96,  
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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