

# Converting Colors

XYZ(59.5644, 80.0814,  
103.9072)

Have a look what the booklet for  
XYZ(59.5644, 80.0814, 103.9072)  
contains.

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# **Color**

**XYZ(59.3810, 79.8109,  
103.5421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76FBFB
RGB	118, 251, 251
RGB Percent	46%, 98%, 98%
CMY	0.5372, 0.0157, 0.0157
CMYK	0.53, 0.00, 0.00, 0.02
HSL	180°, 94%, 72%
HSV	180°, 53%, 98%
XYZ	59.3810, 79.8109, 103.5421
YIQ	211.2330, -79.2680, -28.1960

# Conversions

## Conversions Part 2

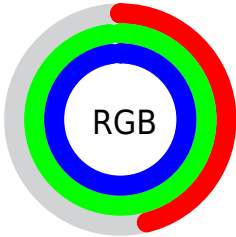
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 185, 251
Decimal	7797755
CIE <sub>Lab</sub>	91.60, -36.35, -11.16
CIE <sub>LCh</sub>	92, 38.029, 197.062
Yxy	79.8109, 0.2446, 0.3288
Android (android.graphics.Color)	4285987835 (0xFF76FBFB)
YUV	211.2330, 19.6051, -81.7653
Hunter-Lab	89.3369, -37.6932, -6.1816

# Details

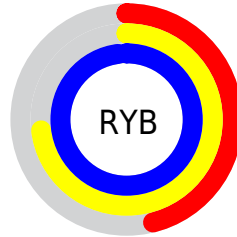
The XYZ color **59.3810, 79.8109, 103.5421** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.5348, 34.7766, 21.2441**, and the grayscale version is **61.9852, 65.2132, 71.0172**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **30.2688, 43.1045, 58.3544** is the 20% darker color. If you saturate the color by 10%, you get **56.4159, 78.2842, 103.4048**, and if you desaturate by 10%, it is **63.2576, 81.8112, 103.7256**.

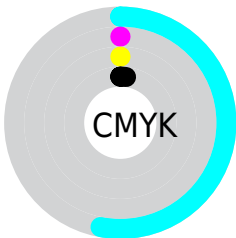
# Distribution



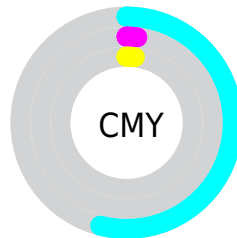
- Red (46%)
- Green (98%)
- Blue (98%)



- Red (46%)
- Yellow (73%)
- Blue (98%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (54%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3810, 79.8109, 103.5421 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 59.3810, 79.8109, 103.5421 by changing the saturation by 10% instead.



59.3810, 79.8109,  
103.5421

59.3810, 79.8109,  
103.5421

412.1838,  
494.2953, 592.8336

43.1674, 59.5628,  
78.6287

103.0427,  
133.0998, 168.1106

30.2116, 43.0663,  
58.0710

131.2215,  
166.9094, 208.6027

20.1481, 29.9371,  
41.4507

164.1195,  
206.0083, 255.1248

12.6117, 19.7909,  
28.3491

202.1019,  
250.7808, 308.0953

7.2368, 12.2431,  
18.3476

245.5342,  
301.6113, 367.9330

3.6583, 6.9095,  
11.0278

294.7817,

1.5107, 3.4056,

358.8844, 435.0562

5.9712

350.2098,  
422.9842, 509.8836

0.3331, 1.3469,  
2.7590

0.0000, 0.1771,  
0.9730

59.3810, 79.8109,  
103.5421

59.3810, 79.8109,  
103.5421

56.4159, 78.2842,  
103.4048

63.2576, 81.8112,  
103.7256

54.2815, 77.1839,  
103.3045

68.1041, 84.3096,  
103.9528

52.8950, 76.4691,  
103.2393

73.9824, 87.3400,  
104.2282

52.1531, 76.0867,  
103.2042

80.9472, 90.9305,  
104.5545

■ 51.9109, 75.9618,  
103.1927

■ 89.0496, 95.1074,  
104.9341

■ 93.1516, 97.2221,  
105.1264

■ 93.1517, 97.2221,  
105.1267

■ 93.1518, 97.2221,  
105.1271

■ 93.1518, 97.2222,  
105.1274

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.0863, 79.8109, 75.4760



59.3810, 79.8109, 103.5421



63.8434, 79.8109, 132.1886

# Triad

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



59.3810, 79.8109, 103.5421



90.3550, 79.8109, 128.6247



80.1130, 79.8109, 44.5292

# Complementary

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



59.3810, 79.8109, 103.5421



49.5348, 34.7766, 21.2441

# 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.



89.2923, 79.8109, 53.3548



59.3810, 79.8109, 103.5421



95.5360, 79.8109, 99.4233

# Square

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



59.3810, 79.8109, 103.5421



81.4655, 79.8109, 148.6546



95.1313, 79.8109, 72.1450



70.5136, 79.8109, 45.1696



# Rectangle

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



59.3810, 79.8109, 103.5421



68.8153, 79.8109, 145.9906



95.1313, 79.8109, 72.1450



83.3652, 79.8109, 46.3918

# Sweetspot

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



59.3834, 79.8140, 103.5440



81.5999, 93.0662, 108.2700



45.5456, 74.3140, 29.0852



17.1426, 19.7534, 23.1591



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.



59.3834, 79.8140, 103.5440



58.2032, 81.0048, 107.1733



42.5967, 46.2401, 97.9502



17.7659, 19.6086, 22.2337



27.2856, 39.9272, 54.2404



2.5271, 3.6980, 5.0236



# Inverse Universe

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



49.5348, 34.7766, 21.2441



46.9730, 29.6489, 13.3271



59.8426, 55.3924, 24.6794



17.2447, 17.2252, 17.8784



20.9119, 10.7805, 0.9788

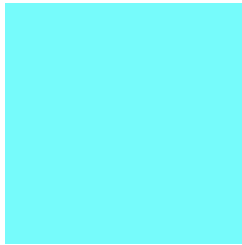


1.9368, 0.9985, 0.0907



# Previews

## White Background



This preview shows how the XYZ color 59.3810, 79.8109, 103.5421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

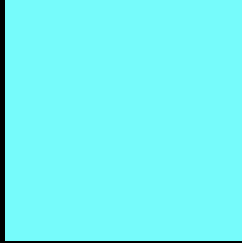
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.3810, 79.8109, 103.5421 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 59.3810, 79.8109, 103.5421

## Background



This preview shows how black text looks on a background with the XYZ color 59.3810, 79.8109, 103.5421.



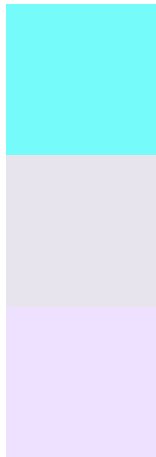
This preview shows how white text looks on a background with the XYZ color 59.3810, 79.8109,



# 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

59.3810, 79.8109, 103.5421

### Protanopia

75.9845, 78.5902, 91.2854

### Deuteranopia

79.9655, 78.7085, 105.5854



## Tritanopia

66.8154, 79.4949, 106.4303

# Trichromacy



## Original Color

59.3810, 79.8109, 103.5421



## Protanomaly

67.2577, 77.3489, 95.3894



## Deuteranomaly

69.5603, 77.4707, 105.0531



## Tritanomaly

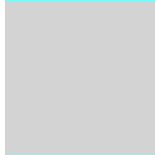
63.4907, 79.1360, 105.6944

# Monochromacy



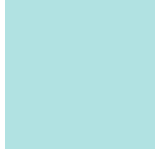
## Original Color

59.3810, 79.8109, 103.5421



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.0553, 69.2308, 82.2018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.3810, 79.8109, 103.5421 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(118, 251, 251)` looks like.

```
.text, #text, p{  
    color:rgb(118, 251, 251)  
}
```

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(118, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 251, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 59.3810, 79.8109, 103.5421 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(118, 251, 251) }
```



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

```
.border{ border-color:rgb(118, 251, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 251, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(118, 251,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.3810, 79.8109, 103.5421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 251, 251) }
```

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

```
.background{ background-color: rgb(118,  
251, 251) }
```

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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