

# Converting Colors

XYZ(58.7816, 79.0144,  
102.4627)

Have a look what the booklet for  
XYZ(58.7816, 79.0144, 102.4627)  
contains.

<b>XYZ(58.7770, 79.0552, 102.6038)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(58.7770, 79.0552,  
102.6038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75FAFA
RGB	117, 250, 250
RGB Percent	46%, 98%, 98%
CMY	0.5412, 0.0196, 0.0196
CMYK	0.53, 0.00, 0.00, 0.02
HSL	180°, 93%, 72%
HSV	180°, 53%, 98%
XYZ	58.7770, 79.0552, 102.6038
YIQ	210.2330, -79.2680, -28.1960

# Conversions

## Conversions Part 2

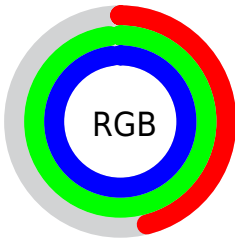
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 184, 250
Decimal	7731962
CIELab	91.26, -36.34, -11.15
CIELCh	91, 38.013, 197.056
Yxy	79.0552, 0.2445, 0.3288
Android (android.graphics.Color)	4285922042 (0xFF75FAFA)
YUV	210.2330, 19.6051, -81.7653
Hunter-Lab	88.9130, -37.5982, -6.1804

# Details

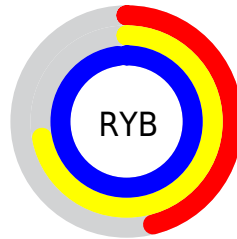
The XYZ color **58.7770, 79.0552, 102.6038** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **48.9991, 34.3333, 20.8766**, and the grayscale version is **61.3263, 64.5200, 70.2623**.

A 20% lighter version of the original color is **72.4004, 88.3237, 107.8400**, and **29.8898, 42.5929, 57.6848** is the 20% darker color. If you saturate the color by 10%, you get **55.8566, 77.5515, 102.4685**, and if you desaturate by 10%, it is **62.5989, 81.0273, 102.7848**.

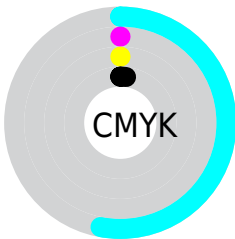
# Distribution



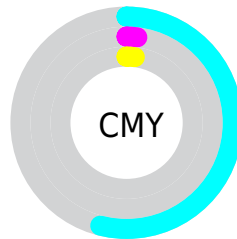
- Red (46%)
- Green (98%)
- Blue (98%)



- Red (46%)
- Yellow (72%)
- 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 58.7770, 79.0552, 102.6038 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 58.7770, 79.0552, 102.6038 by changing the saturation by 10% instead.



58.7770, 79.0552,  
102.6038

58.7770, 79.0552,  
102.6038

409.9824,  
491.7431, 589.8267

42.6793, 58.9412,  
77.8479

102.1700,  
132.0366, 166.8138

29.8270, 42.5658,  
57.4333

130.1960,  
165.6727, 207.1050

19.8547, 29.5446,  
40.9416

162.9288,  
204.5850, 253.4117

12.3971, 19.4932,  
27.9541

200.7337,  
249.1579, 306.1524

7.0889, 12.0272,  
18.0523

243.9762,  
299.7758, 365.7458

3.5646, 6.7622,  
10.8177

293.0216,

1.4589, 3.3138,

356.8230, 432.6102

5.8318

348.2352,  
420.6840, 507.1643

■ 0.2976, 1.2977,  
2.6759

■ 0.0000, 0.1394,  
0.9313

■ 58.7770, 79.0552,  
102.6038

■ 58.7770, 79.0552,  
102.6038

■ 55.8566, 77.5515,  
102.4685

■ 62.5989, 81.0273,  
102.7848

■ 53.7574, 76.4693,  
102.3700

■ 67.3804, 83.4922,  
103.0089

■ 52.3973, 75.7682,  
102.3060

■ 73.1827, 86.4834,  
103.2808

■ 51.6734, 75.3950,  
102.2717

■ 80.0602, 90.0289,  
103.6030

■ 51.4421, 75.2758,  
102.2607

■ 88.0635, 94.1547,  
103.9779

■ 92.6828, 96.5361,  
104.1944

■ 92.6829, 96.5361,  
104.1947

■ 92.6829, 96.5361,  
104.1951

■ 92.6830, 96.5361,  
104.1954

# Harmonies

## Analogous

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



58.4853, 79.0552, 74.7268



58.7770, 79.0552, 102.6038



63.2068, 79.0552, 131.0730

# Triad

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



58.7770, 79.0552, 102.6038



89.5398, 79.0552, 127.5409



79.3682, 79.0552, 44.0176

# Complementary

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



58.7770, 79.0552, 102.6038



48.9991, 34.3333, 20.8766

# 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.



88.4870, 79.0552, 52.7753



58.7770, 79.0552, 102.6038



94.6887, 79.0552, 98.5235

# Square

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



58.7770, 79.0552, 102.6038



80.7079, 79.0552, 147.4485



94.2878, 79.0552, 71.4288



69.8335, 79.0552, 44.6510

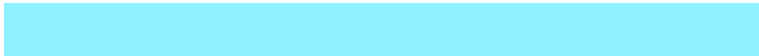


# Rectangle

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



58.7770, 79.0552, 102.6038



68.1435, 79.0552, 144.7947



94.2878, 79.0552, 71.4288



82.5988, 79.0552, 45.8658

# Sweetspot

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



58.7794, 79.0582, 102.6057



81.5999, 93.0662, 108.2700



45.0364, 73.5959, 28.6633



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.



58.7794, 79.0582, 102.6057



58.2032, 81.0048, 107.1733



42.0932, 45.6854, 97.0453



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.



48.9991, 34.3333, 20.8766



46.9730, 29.6489, 13.3271



59.2196, 54.7744, 24.2828



17.2447, 17.2252, 17.8784



20.9119, 10.7805, 0.9788

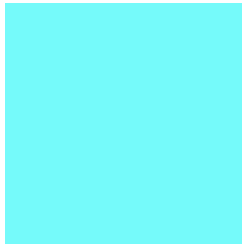


1.9368, 0.9985, 0.0907



# Previews

## White Background



This preview shows how the XYZ color 58.7770, 79.0552, 102.6038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

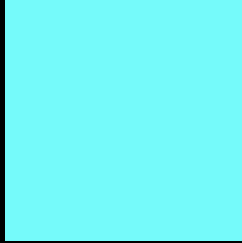
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.7770, 79.0552, 102.6038 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

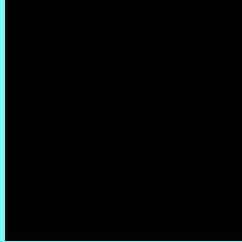
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.7770, 79.0552, 102.6038

## Background



This preview shows how black text looks on a background with the XYZ color 58.7770, 79.0552, 102.6038.



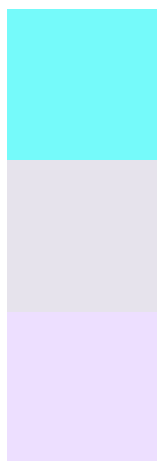
This preview shows how white text looks on a background with the XYZ color 58.7770, 79.0552,



# 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

58.7770, 79.0552, 102.6038

### Protanopia

75.2425, 77.8173, 90.4114

### Deuteranopia

79.3627, 77.9999, 105.4804



## Tritanopia

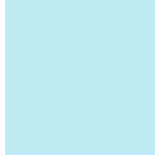
65.6537, 78.4554, 106.2908

# Trichromacy



## Original Color

58.7770, 79.0552, 102.6038



## Protanomaly

66.5718, 76.5864, 94.4930



## Deuteranomaly

68.8609, 76.7071, 104.1051



## Tritanomaly

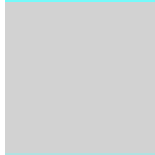
62.4747, 78.1828, 104.7265

# Monochromacy



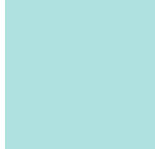
## Original Color

58.7770, 79.0552, 102.6038



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

58.4203, 68.5168, 81.3801

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.7770, 79.0552, 102.6038 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(117, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(117, 250, 250)  
}
```

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(117, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 250, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 58.7770, 79.0552, 102.6038 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(117, 250, 250) }
```



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

```
.border{ border-color:rgb(117, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(117, 250,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.7770, 79.0552, 102.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 250, 250) }
```

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

```
.background{ background-color: rgb(117,  
250, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor