

# Converting Colors

XYZ(59.6386, 76.1317,  
106.1593)

Have a look what the booklet for  
XYZ(59.6386, 76.1317, 106.1593)  
contains.

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# **Color**

**XYZ(59.7735, 76.3077,  
106.1862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85F3FF
RGB	133, 243, 255
RGB Percent	52%, 95%, 100%
CMY	0.4784, 0.0470, 0.0000
CMYK	0.48, 0.05, 0.00, 0.00
HSL	186°, 100%, 76%
HSV	186°, 48%, 100%
XYZ	59.7735, 76.3077, 106.1862
YIQ	211.4780, -69.4120, -19.5880

# Conversions

## Conversions Part 2

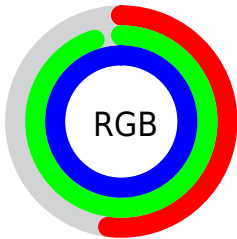
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 191, 255
Decimal	8778751
CIELab	90.00, -28.53, -15.57
CIELCh	90, 32.501, 208.630
Yxy	76.3077, 0.2467, 0.3150
Android (android.graphics.Color)	4286968831 (0xFF85F3FF)
YUV	211.4780, 21.4563, -68.8252
Hunter-Lab	87.3543, -30.7286, -10.9238

# Details

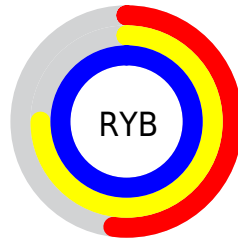
The XYZ color **59.7735, 76.3077, 106.1862** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.5998, 43.2051, 27.6015**, and the grayscale version is **62.1303, 65.3660, 71.1835**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **30.5619, 40.9575, 59.7209** is the 20% darker color. If you saturate the color by 10%, you get **55.4808, 72.9901, 105.7721**, and if you desaturate by 10%, it is **65.0576, 80.1552, 106.6503**.

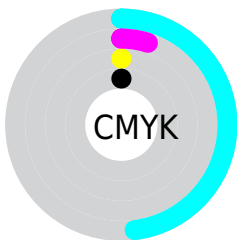
# Distribution



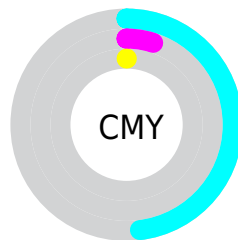
- Red (52%)
- Green (95%)
- Blue (100%)



- Red (52%)
- Yellow (75%)
- Blue (100%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7735, 76.3077, 106.1862 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 59.7735, 76.3077, 106.1862 by changing the saturation by 10% instead.



59.7735, 76.3077,  
106.1862

59.7735, 76.3077,  
106.1862

413.6105,  
482.4004, 601.2646

43.4849, 56.6849,  
80.8313

103.6092,  
128.1618, 171.7585

30.4619, 40.7523,  
59.8725

131.8871,  
161.1618, 212.8130

20.3393, 28.1256,  
42.8912

164.8920,  
199.3896, 259.9378

12.7516, 18.4203,  
29.4690

202.9894,  
243.2297, 313.5514

7.3335, 11.2522,  
19.1873

246.5445,  
293.0664, 374.0723

3.7197, 6.2367,  
11.6275

295.9229,

1.5448, 2.9896,

349.2842, 441.9191

6.3711

351.4898,  
412.2674, 517.5104

■ 0.3560, 1.1263,  
2.9996

■ 0.0000, 0.0002,  
1.0944

■ 59.7735, 76.3077,  
106.1862

■ 59.7735, 76.3077,  
106.1862

■ 55.4808, 72.9901,  
105.7721

■ 65.0576, 80.1552,  
106.6503

■ 52.1015, 70.1567,  
105.4033

■ 71.3918, 84.5575,  
107.1662

■ 49.5556, 67.7681,  
105.0764

■ 78.8373, 89.5481,  
107.7371

■ 47.7468, 65.7744,  
104.7870

■ 87.4489, 95.1552,  
108.3655

■ 46.5457, 64.1090,  
104.5288

95.0500, 100.0000,  
108.9000

■ 46.3259, 63.7718,  
104.4753

# Harmonies

## Analogous

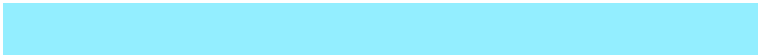
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.1293, 76.3077, 82.0305



59.7735, 76.3077, 106.1862



64.7657, 76.3077, 126.9706

# Triad

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



59.7735, 76.3077, 106.1862



86.5621, 76.3077, 108.3633



72.8990, 76.3077, 46.1835

# Complementary

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



59.7735, 76.3077, 106.1862



55.5998, 43.2051, 27.6015

# 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.



80.8874, 76.3077, 50.6949



59.7735, 76.3077, 106.1862



89.1278, 76.3077, 84.1507

# Square

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



59.7735, 76.3077, 106.1862



80.1998, 76.3077, 128.3823



86.9793, 76.3077, 63.6055



65.3620, 76.3077, 49.9361

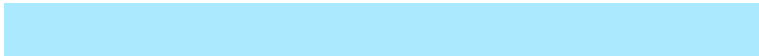


# Rectangle

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



59.7735, 76.3077, 106.1862



69.5194, 76.3077, 134.5595



86.9793, 76.3077, 63.6055



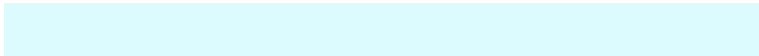
75.6226, 76.3077, 46.7655

# Sweetspot

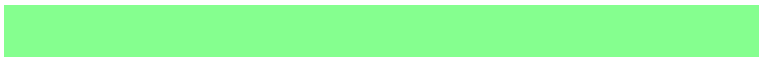
The Sweet Spot groups the original color and five complimentary colors.



59.7756, 76.3105, 106.1866



82.0041, 91.6272, 107.9715



50.4048, 78.4954, 38.5496



17.1669, 19.3596, 23.0819



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

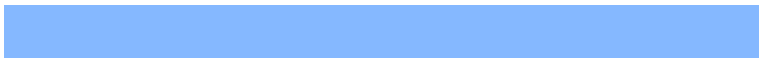
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7756, 76.3105, 106.1866



55.8056, 73.2500, 105.8051



44.8304, 46.4203, 101.2049



18.3932, 20.1581, 23.1714



24.2686, 33.4468, 54.6114



2.4053, 3.3414, 5.3314



# Inverse Universe

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



65.8066, 44.5080, 89.9196



62.6117, 38.6699, 87.1540



67.1072, 66.2198, 31.4373



18.7111, 18.2678, 22.3619



29.0379, 14.1044, 40.4455

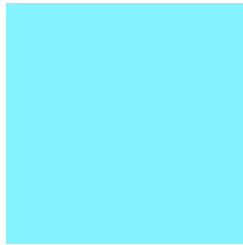


2.8487, 1.3819, 4.0507



# Previews

## White Background



This preview shows how the XYZ color 59.7735, 76.3077, 106.1862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

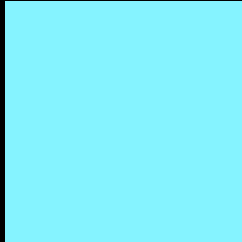
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7735, 76.3077, 106.1862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

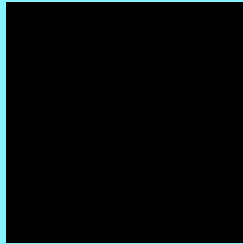
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.7735, 76.3077, 106.1862

## Background



This preview shows how black text looks on a background with the XYZ color 59.7735, 76.3077, 106.1862.



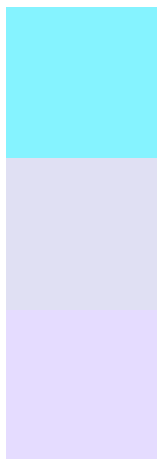
This preview shows how white text looks on a background with the XYZ color 59.7735, 76.3077,



# 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

59.7735, 76.3077, 106.1862

### Protanopia

73.5738, 75.6297, 95.5143

### Deuteranopia

75.9563, 75.0644, 105.0933



## Tritanopia

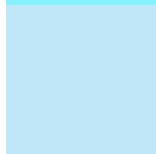
62.8211, 76.1211, 105.9896

# Trichromacy



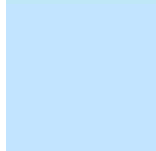
## Original Color

59.7735, 76.3077, 106.1862



## Protanomaly

66.8503, 74.9436, 98.9379



## Deuteranomaly

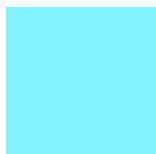
68.0415, 74.1761, 105.3390



## Tritanomaly

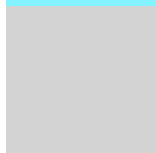
61.4228, 75.8361, 106.0082

# Monochromacy



## Original Color

59.7735, 76.3077, 106.1862



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

59.7812, 68.3887, 82.7226

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7735, 76.3077, 106.1862 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(133, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 243, 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(133, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7735, 76.3077, 106.1862 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(133, 243, 255) }
```



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

```
.border{ border-color:rgb(133, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7735, 76.3077, 106.1862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 243, 255) }
```

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

```
.background{ background-color: rgb(133,  
243, 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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