

# Converting Colors

XYZ(70.9629, 81.9752,  
164.8861)

Have a look what the booklet for  
XYZ(70.9629, 81.9752, 164.8861)  
contains.

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# Color

**XYZ(59.9079, 77.7207,  
106.4519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F6FF
RGB	128, 246, 255
RGB Percent	50%, 96%, 100%
CMY	0.4980, 0.0353, 0.0000
CMYK	0.50, 0.04, 0.00, 0.00
HSL	184°, 100%, 75%
HSV	184°, 50%, 100%
XYZ	59.9079, 77.7207, 106.4519
YIQ	211.7440, -73.2170, -22.2170

# Conversions

## Conversions Part 2

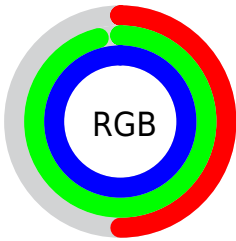
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 189, 255
Decimal	8451839
CIELab	90.65, -31.01, -14.62
CIELCh	91, 34.282, 205.238
Yxy	77.7207, 0.2454, 0.3184
Android (android.graphics.Color)	4286641919 (0xFF80F6FF)
YUV	211.7440, 21.3252, -73.4435
Hunter-Lab	88.1593, -32.9808, -9.8808

# Details

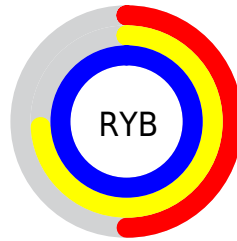
The XYZ color **59.9079, 77.7207, 106.4519** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.0827, 40.7107, 25.4317**, and the grayscale version is **62.3092, 65.5541, 71.3885**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **30.4405, 41.5292, 59.8376** is the 20% darker color. If you saturate the color by 10%, you get **55.9972, 74.8947, 106.1125**, and if you desaturate by 10%, it is **64.7917, 81.0599, 106.8390**.

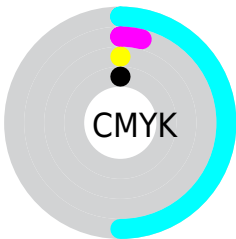
# Distribution



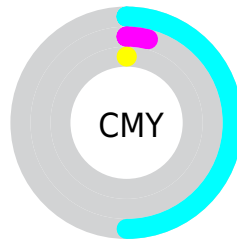
- Red (50%)
- Green (96%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9079, 77.7207, 106.4519 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 59.9079, 77.7207, 106.4519 by changing the saturation by 10% instead.




 59.9079, 77.7207,  
106.4519


 59.9079, 77.7207,  
106.4519


414.0984,  
487.2178, 602.1084


 43.5936, 57.8446,  
81.0528


 103.8032,  
130.1563, 172.1246

 30.5477, 41.6837,  
60.0538


 132.1148,  
163.4846, 213.2353

 20.4048, 28.8537,  
43.0364

 165.1563,  
202.0657, 260.4203

 12.7996, 18.9702,  
29.5821

203.2929,  
246.2841, 314.0981

 7.3667, 11.6487,  
19.2723

246.8901,  
296.5241, 374.6873

 3.7409, 6.5050,  
11.6884

296.3132,

 1.5566, 3.1545,

353.1701, 442.6063

6.4119

351.9275,  
416.6065, 518.2739

■ 0.3639, 1.2129,  
3.0243

■ 0.0000, 0.0722,  
1.1071

■ 59.9079, 77.7207,  
106.4519

■ 59.9079, 77.7207,  
106.4519

■ 55.9972, 74.8947,  
106.1125

■ 64.7917, 81.0599,  
106.8390

■ 52.9797, 72.5354,  
105.8161

■ 70.7085, 84.9377,  
107.2756

■ 50.7734, 70.6020,  
105.5593

■ 77.7204, 89.3880,  
107.7651

■ 49.2778, 69.0429,  
105.3372

■ 85.8829, 94.4396,  
108.3099

■ 48.3324, 67.7754,  
105.1423

95.0500, 100.0000,  
108.9000

■ 48.3157, 67.7513,  
105.1386

# Harmonies

## Analogous

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



58.5954, 77.7207, 80.7556



59.9079, 77.7207, 106.4519



64.8432, 77.7207, 129.7674

# Triad

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



59.9079, 77.7207, 106.4519



88.2969, 77.7207, 114.5817



75.2518, 77.7207, 45.6778

# Complementary

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



59.9079, 77.7207, 106.4519



54.0827, 40.7107, 25.4317

# 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.



83.7005, 77.7207, 51.3926



59.9079, 77.7207, 106.4519



91.5949, 77.7207, 88.6153

# Square

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



59.9079, 77.7207, 106.4519



81.1441, 77.7207, 135.0632



89.8513, 77.7207, 66.0057



67.0464, 77.7207, 48.6258

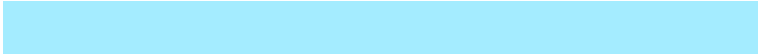


# Rectangle

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



59.9079, 77.7207, 106.4519



69.7396, 77.7207, 139.1400



89.8513, 77.7207, 66.0057



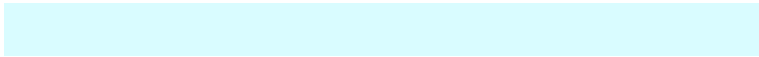
78.1628, 77.7207, 46.6115

# Sweetspot

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



59.9100, 77.7236, 106.4523



81.4927, 91.7368, 108.0196



49.1406, 77.9007, 35.9154



17.0812, 19.4110, 23.0964



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.



59.9100, 77.7236, 106.4523



55.9288, 74.8434, 106.1062



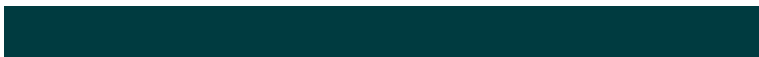
43.8941, 45.6919, 101.1137



18.4382, 20.2481, 23.1864



25.2927, 35.4949, 54.9527



2.4943, 3.5194, 5.3611



# Inverse Universe

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



65.5951, 43.3541, 92.1028



62.3451, 37.3042, 89.6311



65.7839, 64.1131, 29.3321



18.7339, 18.2769, 22.4816



29.5548, 14.3112, 43.1674

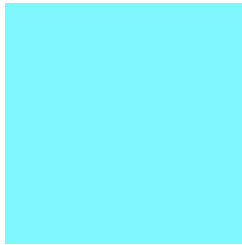


2.8936, 1.3998, 4.2872



# Previews

## White Background



This preview shows how the XYZ color 59.9079, 77.7207, 106.4519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

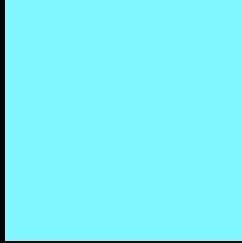
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9079, 77.7207, 106.4519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

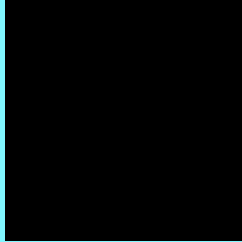
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.9079, 77.7207, 106.4519

## Background



This preview shows how black text looks on a background with the XYZ color 59.9079, 77.7207, 106.4519.



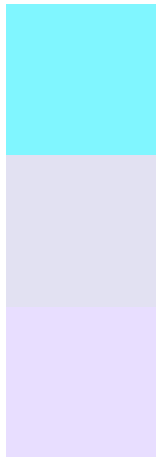
This preview shows how white text looks on a background with the XYZ color 59.9079, 77.7207,



# 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

59.9079, 77.7207, 106.4519

### Protanopia

74.3163, 76.4300, 94.8400

### Deuteranopia

77.4500, 76.6184, 105.3145



## Tritanopia

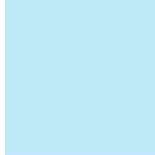
64.3143, 77.3267, 106.1436

# Trichromacy



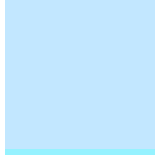
## Original Color

59.9079, 77.7207, 106.4519



## Protanomaly

67.1626, 75.9404, 99.1138



## Deuteranomaly

68.8740, 75.8412, 105.6165



## Tritanomaly

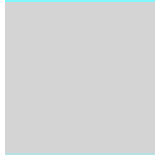
62.3798, 77.2083, 106.2227

# Monochromacy



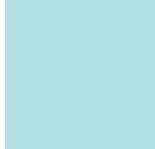
## Original Color

59.9079, 77.7207, 106.4519



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

59.7153, 68.7365, 83.5189

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9079, 77.7207, 106.4519 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(128, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 246, 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(128, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9079, 77.7207, 106.4519 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(128, 246, 255) }
```



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

```
.border{ border-color:rgb(128, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9079, 77.7207, 106.4519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 246, 255) }
```

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

```
.background{ background-color: rgb(128,  
246, 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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