

# Converting Colors

XYZ(58.1131, 76.8992,  
106.3879)

Have a look what the booklet for  
XYZ(58.1131, 76.8992, 106.3879)  
contains.

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# Color

**XYZ(58.0760, 76.7764,  
106.3661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73F6FF
RGB	115, 246, 255
RGB Percent	45%, 96%, 100%
CMY	0.5490, 0.0353, 0.0000
CMYK	0.55, 0.04, 0.00, 0.00
HSL	184°, 100%, 73%
HSV	184°, 55%, 100%
XYZ	58.0760, 76.7764, 106.3661
YIQ	207.8570, -80.9650, -24.9730

# Conversions

## Conversions Part 2

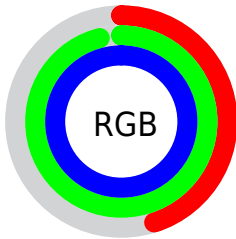
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 183, 255
Decimal	7599871
CIE <sub>Lab</sub>	90.22, -33.56, -15.31
CIE <sub>LCh</sub>	90, 36.884, 204.527
Y <sub>xy</sub>	76.7764, 0.2408, 0.3183
Android (android.graphics.Color)	4285789951 (0xFF73F6FF)
YUV	207.8570, 23.2415, -81.4356
Hunter-Lab	87.6221, -35.0289, -10.6377

# Details

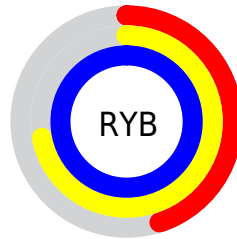
The XYZ color **58.0760, 76.7764, 106.3661** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.5429, 36.9140, 20.6302**, and the grayscale version is **59.7556, 62.8675, 68.4627**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **29.3051, 40.9438, 59.7845** is the 20% darker color. If you saturate the color by 10%, you get **54.6793, 74.2904, 106.0653**, and if you desaturate by 10%, it is **62.4084, 79.7548, 106.7127**.

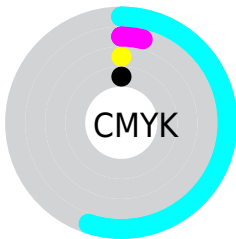
# Distribution



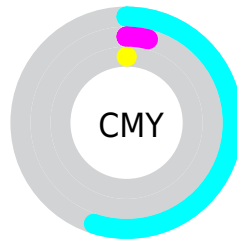
- Red (45%)
- Green (96%)
- Blue (100%)



- Red (45%)
- Yellow (72%)
- Blue (100%)



- Cyan (55%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.0760, 76.7764, 106.3661 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 58.0760, 76.7764, 106.3661 by changing the saturation by 10% instead.



58.0760, 76.7764,  
106.3661

58.0760, 76.7764,  
106.3661

407.4184,  
484.0013, 601.8360

42.1132, 57.0694,  
80.9813

101.1559,  
128.8238, 172.0064

29.3815, 41.0609,  
59.9953

129.0037,  
161.9330, 213.0990

19.5153, 28.3667,  
42.9895

161.5439,  
200.2783, 260.2645

12.1494, 18.6023,  
29.5456

199.1418,  
244.2442, 313.9216

6.9185, 11.3832,  
19.2448

242.1629,  
294.2151, 374.4887

3.4570, 6.3252,  
11.6687

290.9725,

1.3998, 3.0438,

350.5753, 442.3845

6.3987

345.9358,  
413.7092, 518.0274

■ 0.2561, 1.1547,  
3.0163

■ 0.0000, 0.0242,  
1.1030

■ 58.0760, 76.7764,  
106.3661

■ 58.0760, 76.7764,  
106.3661

■ 54.6793, 74.2904,  
106.0653

■ 62.4084, 79.7548,  
106.7127

■ 52.1336, 72.2479,  
105.8053

■ 67.7400, 83.2531,  
107.1069

■ 50.3495, 70.6045,  
105.5821

■ 74.1357, 87.3065,  
107.5522

■ 49.2143, 69.3021,  
105.3905

■ 81.6533, 91.9449,  
108.0513

■ 48.8035, 68.7269,  
105.3012

■ 90.3466, 97.1959,  
108.6066

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.



56.7880, 76.7764, 78.8713



58.0760, 76.7764, 106.3661



63.2101, 76.7764, 131.8464

# Triad

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



58.0760, 76.7764, 106.3661



88.2995, 76.7764, 116.4668



74.6686, 76.7764, 42.7240

# Complementary

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



58.0760, 76.7764, 106.3661



51.5429, 36.9140, 20.6302

# 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.



83.6942, 76.7764, 48.8401



58.0760, 76.7764, 106.3661



91.9751, 76.7764, 88.5066

# Square

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



58.0760, 76.7764, 106.3661



80.5426, 76.7764, 138.4815



90.2232, 76.7764, 64.3329



65.8944, 76.7764, 45.5504

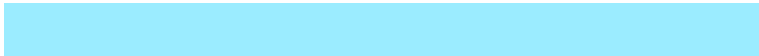


# Rectangle

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



58.0760, 76.7764, 106.3661



68.3691, 76.7764, 142.3349



90.2232, 76.7764, 64.3329



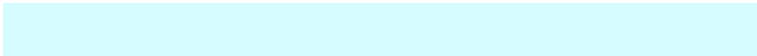
77.7805, 76.7764, 43.7551

# Sweetspot

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



58.0781, 76.7792, 106.3666



80.7693, 91.4048, 107.9936



46.3444, 76.5706, 30.7514



16.9422, 19.3524, 23.0924



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.



58.0781, 76.7792, 106.3666



54.3589, 74.0445, 106.0348



41.0423, 42.7076, 100.6880



18.4490, 20.2697, 23.1900



25.5436, 35.9968, 55.0364



2.5161, 3.5628, 5.3684



# Inverse Universe

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



64.0067, 40.1771, 91.5734



60.9812, 34.5708, 89.1940



63.1852, 60.1986, 24.5110



18.7393, 18.2790, 22.5103



29.6814, 14.3619, 43.8344

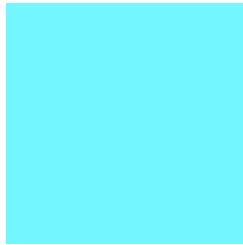


2.9046, 1.4042, 4.3450



# Previews

## White Background



This preview shows how the XYZ color 58.0760, 76.7764, 106.3661 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

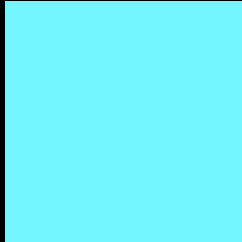
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.0760, 76.7764, 106.3661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

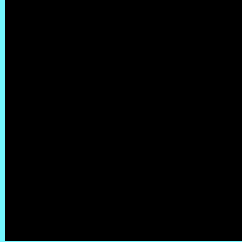
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 58.0760, 76.7764, 106.3661

## Background



This preview shows how black text looks on a background with the XYZ color 58.0760, 76.7764, 106.3661.



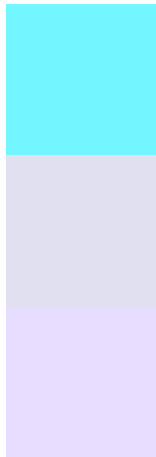
This preview shows how white text looks on a background with the XYZ color 58.0760, 76.7764,



# 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

58.0760, 76.7764, 106.3661

### Protanopia

73.5842, 75.6697, 93.9465

### Deuteranopia

76.5396, 75.7559, 105.1960



## Tritanopia

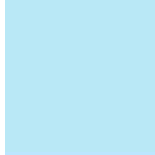
62.7277, 76.5087, 106.0693

# Trichromacy



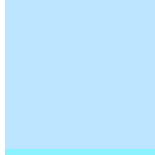
## Original Color

58.0760, 76.7764, 106.3661



## Protanomaly

65.4987, 74.6813, 98.1516



## Deuteranomaly

67.0859, 74.5050, 105.4528



## Tritanomaly

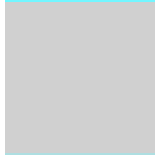
60.6173, 76.2997, 106.1402

# Monochromacy



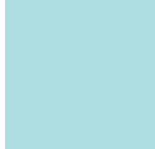
## Original Color

58.0760, 76.7764, 106.3661



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

57.1674, 66.6775, 81.0912

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.0760, 76.7764, 106.3661 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(115, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.0760, 76.7764, 106.3661 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(115, 246, 255) }
```



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

```
.border{ border-color:rgb(115, 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(115, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.0760, 76.7764, 106.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 246, 255) }
```

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

```
.background{ background-color: rgb(115,  
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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