

# Converting Colors

XYZ(77.2134, 84.7286,  
111.9332)

Have a look what the booklet for  
XYZ(77.2134, 84.7286, 111.9332)  
contains.

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# Color

**XYZ(76.3805, 84.4259,  
106.8779)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F2FF
RGB	210, 242, 255
RGB Percent	82%, 95%, 100%
CMY	0.1765, 0.0510, 0.0000
CMYK	0.18, 0.05, 0.00, 0.00
HSL	197°, 100%, 91%
HSV	197°, 18%, 100%
XYZ	76.3805, 84.4259, 106.8779
YIQ	233.9140, -23.2450, -2.7410

# Conversions

## Conversions Part 2

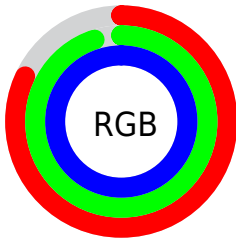
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	210, 229, 255
Decimal	13824767
CIE <sub>Lab</sub>	93.64, -7.71, -9.74
CIE <sub>LCh</sub>	94, 12.421, 231.632
Yxy	84.4259, 0.2853, 0.3154
Android (android.graphics.Color)	4292014847 (0xFFD2F2FF)
YUV	233.9140, 10.3954, -20.9726
Hunter-Lab	91.8836, -12.4137, -4.6469

# Details

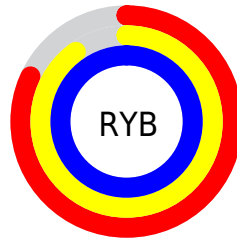
The XYZ color **76.3805, 84.4259, 106.8779** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.2603, 78.6874, 71.9853**, and the grayscale version is **78.0800, 82.1463, 89.4573**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2695, 46.1636, 60.1614** is the 20% darker color. If you saturate the color by 10%, you get **67.5434, 76.6837, 105.8493**, and if you desaturate by 10%, it is **86.4671, 92.9477, 107.9911**.

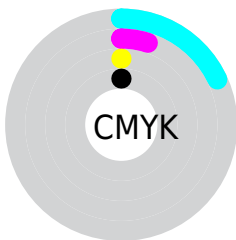
# Distribution



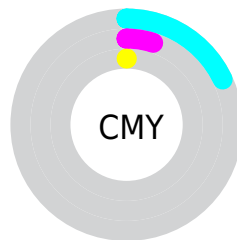
- Red (82%)
- Green (95%)
- Blue (100%)



- Red (82%)
- Yellow (90%)
- Blue (100%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.3805, 84.4259, 106.8779 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 76.3805, 84.4259, 106.8779 by changing the saturation by 10% instead.



76.3805, 84.4259,  
106.8779

76.3805, 84.4259,  
106.8779

471.5736,  
509.7265, 603.4599

57.0427, 63.3671,  
81.4081

127.2421,  
139.5708, 172.7114

41.2798, 46.1383,  
60.3448

159.4967,  
174.4257, 213.9121

28.7264, 32.3550,  
43.2695

196.7875,  
214.6481, 261.1935

19.0172, 21.6328,  
29.7636

239.4800,  
260.6224, 314.9741

11.7868, 13.5873,  
19.4087

287.9395,  
312.7330, 375.6725

6.6698, 7.8342,  
11.7862

342.5314,

3.3010, 3.9890,

371.3643, 443.7073

6.4775

403.6210,  
436.9006, 519.4969

■ 1.3148, 1.6674,  
3.0641

■ 0.1943, 0.4024,  
1.1275

■ 76.3805, 84.4259,  
106.8779

■ 76.3805, 84.4259,  
106.8779

■ 67.5434, 76.6837,  
105.8493

■ 86.4671, 92.9477,  
107.9911

■ 59.8934, 69.6807,  
104.9007

95.0500, 100.0000,  
108.9000

■ 53.3726, 63.3879,  
104.0298

■ 47.9154, 57.7697,  
103.2330

■ 43.4488, 52.7870,  
102.5067

■ 39.8903, 48.3956,  
101.8466

■ 37.1425, 44.5435,  
101.2479

■ 35.0774, 41.1632,  
100.7043

■ 34.6466, 40.4132,  
100.5822

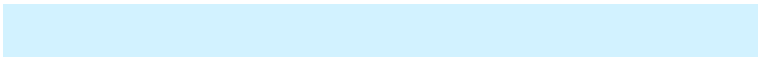
# Harmonies

## Analogous

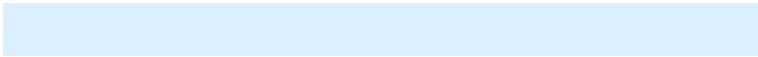
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5050, 84.4259, 98.7689



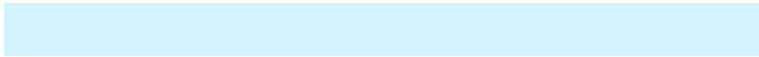
76.3805, 84.4259, 106.8779



79.3270, 84.4259, 111.0447

# Triad

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



76.3805, 84.4259, 106.8779



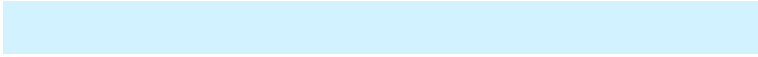
86.6686, 84.4259, 94.5880



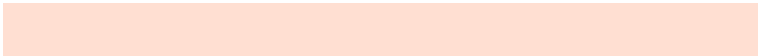
77.9342, 84.4259, 76.0884

# Complementary

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



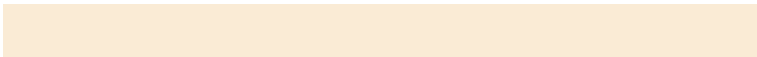
76.3805, 84.4259, 106.8779



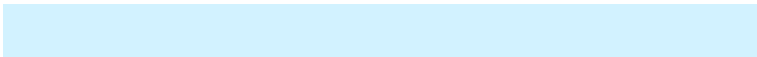
79.2603, 78.6874, 71.9853

# Split Complementary

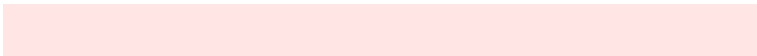
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.1686, 84.4259, 75.1373



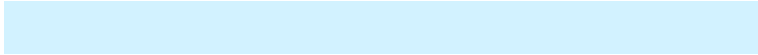
76.3805, 84.4259, 106.8779



86.2710, 84.4259, 85.4056

# Square

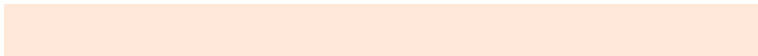
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



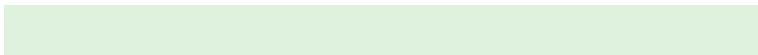
76.3805, 84.4259, 106.8779



85.3082, 84.4259, 103.6386



84.2362, 84.4259, 78.4370

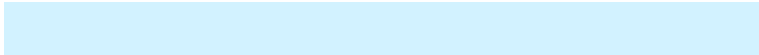


75.3848, 84.4259, 81.1299



# Rectangle

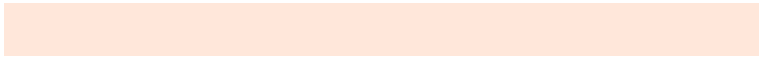
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3805, 84.4259, 106.8779



81.5268, 84.4259, 110.8415



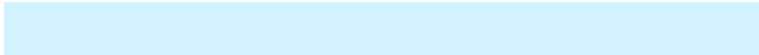
84.2362, 84.4259, 78.4370



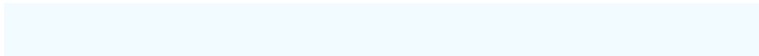
78.9753, 84.4259, 75.2941

# Sweetspot

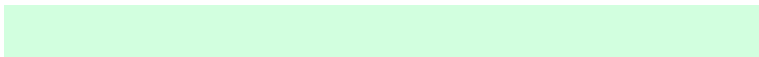
The Sweet Spot groups the original color and five complimentary colors.



76.3827, 84.4293, 106.8784



89.3504, 95.3346, 108.2999



75.6250, 90.5364, 83.1262



18.9589, 20.2687, 23.1630



0.0000, 0.0000, 0.0000

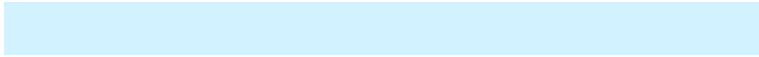


20.3446, 21.4041, 23.3091

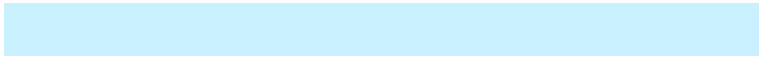


# Same Dimension

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



76.3827, 84.4293, 106.8784



73.2819, 81.7467, 106.5241



70.1573, 71.9784, 104.8033



18.0857, 19.5430, 23.0689



18.2382, 21.3860, 52.6012



1.8697, 2.2701, 5.1529



# Inverse Universe

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



80.3150, 73.7656, 94.0135



77.8909, 69.5071, 91.3873



85.6015, 91.3698, 74.0990



18.5559, 18.2057, 21.5445



25.9940, 12.8869, 24.4166

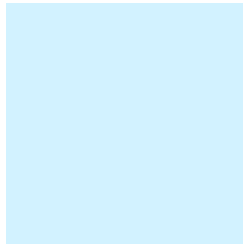


2.5783, 1.2737, 2.6270



# Previews

## White Background



This preview shows how the XYZ color 76.3805, 84.4259, 106.8779 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

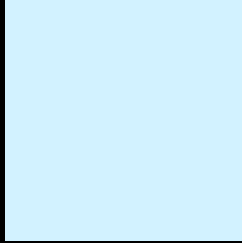
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.3805, 84.4259, 106.8779 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

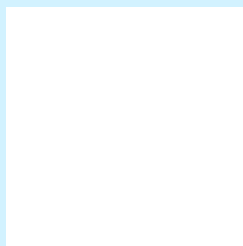
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.3805, 84.4259, 106.8779**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.3805, 84.4259, 106.8779.



This preview shows how white text looks on a background with the XYZ color 76.3805, 84.4259,



# 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

76.3805, 84.4259, 106.8779

### Protanopia

81.7130, 84.2146, 103.2151

### Deuteranopia

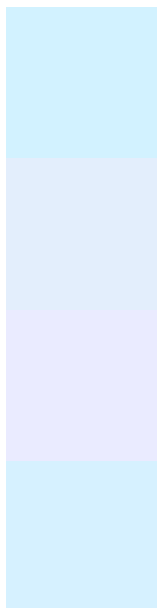
85.3373, 84.3283, 106.3870



## Tritanopia

77.8254, 84.2919, 106.7759

# Trichromacy



## Original Color

76.3805, 84.4259, 106.8779

## Protanomaly

79.8238, 84.5082, 104.2000

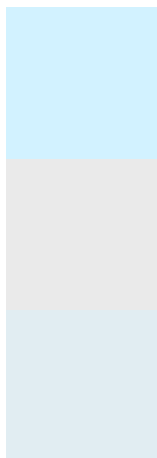
## Deuteranomaly

81.6900, 84.1291, 106.5408

## Tritanomaly

77.2369, 84.4267, 106.8329

# Monochromacy



## Original Color

76.3805, 84.4259, 106.8779

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.3625, 82.9867, 95.9450

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.3805, 84.4259, 106.8779 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(210, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 242, 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(210, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.3805, 84.4259, 106.8779 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(210, 242, 255) }
```



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

```
.border{ border-color:rgb(210, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.3805, 84.4259, 106.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 242, 255) }
```

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

```
.background{ background-color: rgb(210,  
242, 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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