

# Converting Colors

XYZ(76.1749, 86.2230,  
106.8156)

Have a look what the booklet for  
XYZ(76.1749, 86.2230, 106.8156)  
contains.

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# **Color**

**XYZ(76.1826, 86.1107,  
107.2135)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | CDF6FF                      |
| RGB         | 205, 246, 255               |
| RGB Percent | 80%, 96%, 100%              |
| CMY         | 0.1961, 0.0353, 0.0000      |
| CMYK        | 0.20, 0.04, 0.00, 0.00      |
| HSL         | 191°, 100%, 90%             |
| HSV         | 191°, 20%, 100%             |
| XYZ         | 76.1826, 86.1107, 107.2135  |
| YIQ         | 234.7670, -27.3250, -5.8930 |

# Conversions

## Conversions Part 2

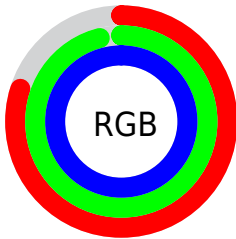
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 205, 228, 255                 |
| Decimal                             | 13498111                      |
| CIE Lab                             | 94.36, -11.23, -8.70          |
| CIE LCh                             | 94, 14.208, 217.746           |
| Yxy                                 | 86.1107, 0.2827,<br>0.3195    |
| Android<br>(android.graphics.Color) | 4291688191<br>(0xFFC6DF6FF)   |
| YUV                                 | 234.7670, 9.9749,<br>-26.1057 |
| Hunter-Lab                          | 92.7959, -15.8496,<br>-3.5448 |

# Details

The XYZ color **76.1826, 86.1107, 107.2135** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3057, 73.7598, 67.9746**, and the grayscale version is **78.7318, 82.8320, 90.2041**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1842, 47.3882, 60.4023** is the 20% darker color. If you saturate the color by 10%, you get **68.3358, 80.0217, 106.4518**, and if you desaturate by 10%, it is **85.2148, 92.8664, 108.0415**.

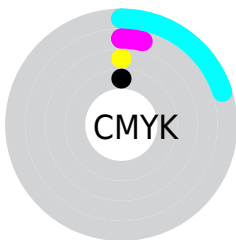
# Distribution



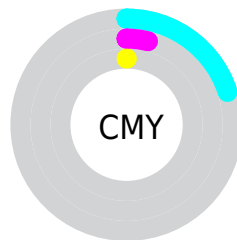
- Red (80%)
- Green (96%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1826, 86.1107, 107.2135 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 76.1826, 86.1107, 107.2135 by changing the saturation by 10% instead.



76.1826, 86.1107,  
107.2135

76.1826, 86.1107,  
107.2135

470.9073,  
515.2962, 604.5236

56.8798, 64.7595,  
81.6880

126.9640,  
141.9240, 173.1734

41.1485, 47.2661,  
60.5741

159.1733,  
177.1548, 214.4449

28.6233, 33.2461,  
43.4532

196.4155,  
217.7810, 261.8022

18.9389, 22.3150,  
29.9068

239.0559,  
264.1870, 315.6637

11.7299, 14.0886,  
19.5164

287.4600,  
316.7571, 376.4481

6.6309, 8.1823,  
11.8635

341.9930,

3.2766, 4.2118,

375.8757, 444.5738

6.5294

403.0203,  
441.9273, 520.4595

■ 1.3017, 1.7927,  
3.0956

■ 0.1845, 0.4826,  
1.1437

■ 76.1826, 86.1107,  
107.2135

■ 76.1826, 86.1107,  
107.2135

■ 68.3358, 80.0217,  
106.4518

■ 85.2148, 92.8664,  
108.0415

■ 61.6118, 74.5601,  
105.7520

95.0500, 100.0000,  
108.9000

■ 55.9527, 69.6979,  
105.1118

■ 51.2922, 65.4006,  
104.5279

■ 47.5568, 61.6298,  
103.9970

■ 44.6621, 58.3418,  
103.5149

■ 42.5081, 55.4845,  
103.0769

■ 40.9376, 52.9766,  
102.6756

■ 40.8808, 52.8815,  
102.6603

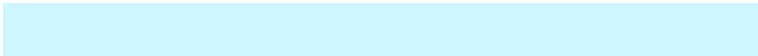
# Harmonies

## Analogous

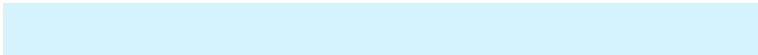
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7919, 86.1107, 96.6191



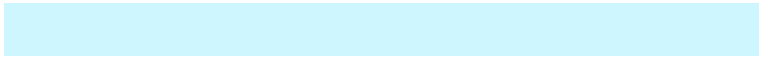
76.1826, 86.1107, 107.2135



79.0996, 86.1107, 114.5724

# Triad

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



76.1826, 86.1107, 107.2135



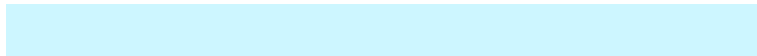
88.8223, 86.1107, 101.9411



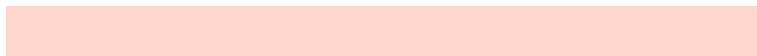
80.8612, 86.1107, 74.4506

# Complementary

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



76.1826, 86.1107, 107.2135



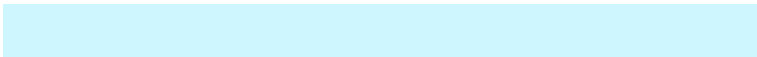
76.3057, 73.7598, 67.9746

# 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.



84.6545, 86.1107, 75.6340



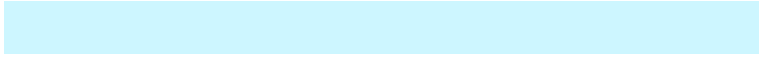
76.1826, 86.1107, 107.2135



89.3295, 86.1107, 90.9577

# Square

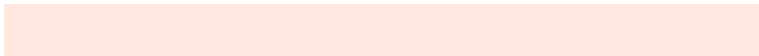
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1826, 86.1107, 107.2135



86.4175, 86.1107, 111.3674



87.7826, 86.1107, 81.4817

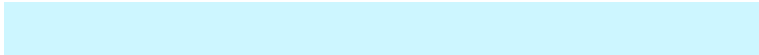


77.4379, 86.1107, 78.1135

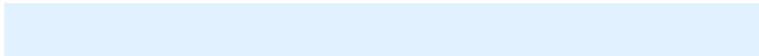


# Rectangle

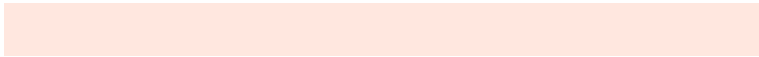
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



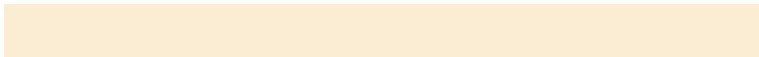
76.1826, 86.1107, 107.2135



81.5575, 86.1107, 116.3512



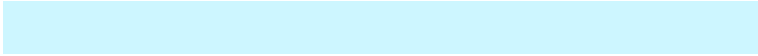
87.7826, 86.1107, 81.4817



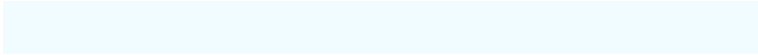
82.1345, 86.1107, 74.3003

# Sweetspot

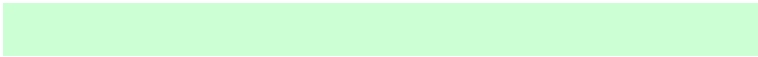
The Sweet Spot groups the original color and five complimentary colors.



76.1849, 86.1141, 107.2141



88.7716, 95.4691, 108.3564



72.9904, 89.3207, 76.5679



18.8603, 20.3320, 23.1804



0.0000, 0.0000, 0.0000

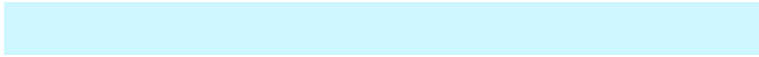


20.3446, 21.4041, 23.3091

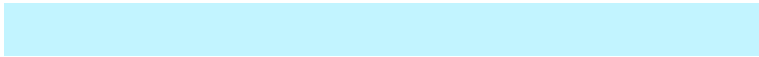


# Same Dimension

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



76.1849, 86.1141, 107.2141



72.5944, 83.3580, 106.8713



69.2609, 72.2661, 104.9061



18.2606, 19.8928, 23.1272



21.4619, 27.8333, 53.6758



2.1589, 2.8485, 5.2493



# Inverse Universe

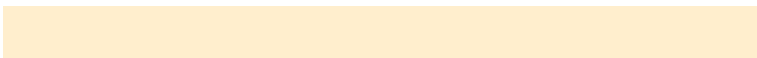
The Inverse Universe completely reimagines the original color for something new.



79.7073, 71.5780, 96.8078



76.8149, 66.2856, 94.3255



82.9317, 87.0118, 70.1833



18.6442, 18.2410, 22.0094



27.6212, 13.5378, 32.9851

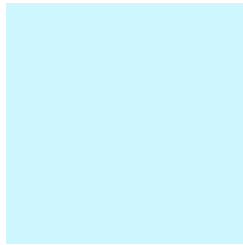


2.7243, 1.3321, 3.3956



# Previews

## White Background



This preview shows how the XYZ color 76.1826, 86.1107, 107.2135 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

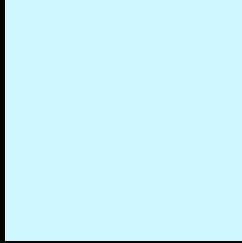
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.1826, 86.1107, 107.2135 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

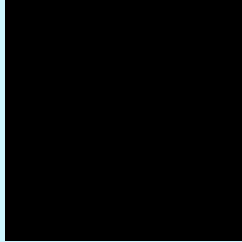
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.1826, 86.1107, 107.2135

## Background



This preview shows how black text looks on a background with the XYZ color 76.1826, 86.1107, 107.2135.



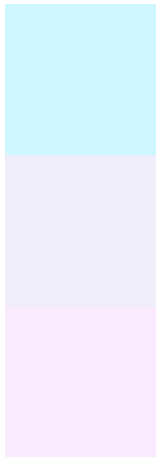
This preview shows how white text looks on a background with the XYZ color 76.1826, 86.1107,



# 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

76.1826, 86.1107, 107.2135

### Protanopia

82.9797, 85.7586, 101.8021

### Deuteranopia

86.6133, 85.8218, 106.6080



## Tritanopia

79.0155, 85.7843, 107.0012

# Trichromacy



## Original Color

76.1826, 86.1107, 107.2135

## Protanomaly

80.2512, 85.6161, 103.5627

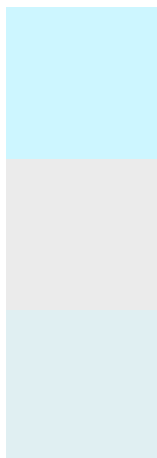
## Deuteranomaly

82.5562, 85.8615, 106.8295

## Tritanomaly

77.8321, 85.6173, 107.0313

# Monochromacy



## Original Color

76.1826, 86.1107, 107.2135

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.6340, 83.9911, 96.1246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.1826, 86.1107, 107.2135 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(205, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.1826, 86.1107, 107.2135 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(205, 246, 255) }
```



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

```
.border{ border-color:rgb(205, 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(205, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.1826, 86.1107, 107.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 246, 255) }
```

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

```
.background{ background-color: rgb(205,  
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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