

# Converting Colors

XYZ(76.1306, 85.3688,  
107.0731)

Have a look what the booklet for  
XYZ(76.1306, 85.3688, 107.0731)  
contains.

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# **Color**

**XYZ(76.1328, 85.1868,  
107.0378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF4FF
RGB	207, 244, 255
RGB Percent	81%, 96%, 100%
CMY	0.1882, 0.0431, 0.0000
CMYK	0.19, 0.04, 0.00, 0.00
HSL	194°, 100%, 91%
HSV	194°, 19%, 100%
XYZ	76.1328, 85.1868, 107.0378
YIQ	234.1910, -25.5830, -4.4230

# Conversions

## Conversions Part 2

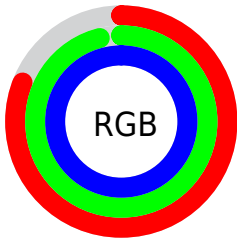
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 228, 255
Decimal	13628671
CIE <sub>Lab</sub>	93.96, -9.63, -9.27
CIE <sub>LCh</sub>	94, 13.367, 223.918
Yxy	85.1868, 0.2837, 0.3174
Android (android.graphics.Color)	4291818751 (0xFFCFF4FF)
YUV	234.1910, 10.2588, -23.8465
Hunter-Lab	92.2967, -14.2799, -4.1518

# Details

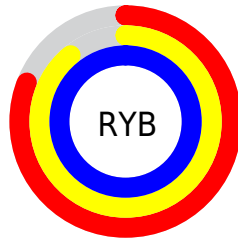
The XYZ color **76.1328, 85.1868, 107.0378** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.5735, 75.9066, 69.5960**, and the grayscale version is **78.2919, 82.3692, 89.7000**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1252, 46.7191, 60.2762** is the 20% darker color. If you saturate the color by 10%, you get **67.8463, 78.3491, 106.1547**, and if you desaturate by 10%, it is **85.6300, 92.7358, 107.9944**.

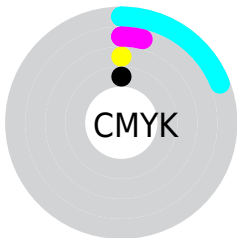
# Distribution



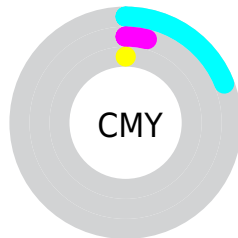
- Red (81%)
- Green (96%)
- Blue (100%)



- Red (81%)
- Yellow (89%)
- Blue (100%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1328, 85.1868, 107.0378 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 76.1328, 85.1868, 107.0378 by changing the saturation by 10% instead.



76.1328, 85.1868,  
107.0378

76.1328, 85.1868,  
107.0378

470.7396,  
512.2460, 603.9668

56.8388, 63.9957,  
81.5414

126.8940,  
140.6341, 172.9315

41.1155, 46.6472,  
60.4540

159.0919,  
175.6592, 214.1660

28.5974, 32.7569,  
43.3570

196.3218,  
216.0644, 261.4835

18.9192, 21.9402,  
29.8318

238.9492,  
262.2341, 315.3027

11.7156, 13.8130,  
19.4600

287.3393,  
314.5527, 376.0421

6.6211, 7.9907,  
11.8230

341.8575,

3.2705, 4.0890,

373.4046, 444.1202

6.5022

402.8691,  
439.1743, 519.9556

■ 1.2984, 1.7235,  
3.0791

■ 0.1820, 0.4388,  
1.1352

■ 76.1328, 85.1868,  
107.0378

■ 76.1328, 85.1868,  
107.0378

■ 67.8463, 78.3491,  
106.1547

■ 85.6300, 92.7358,  
107.9944

■ 60.7082, 72.1831,  
105.3408

95.0500, 100.0000,  
108.9000

■ 54.6605, 66.6604,  
104.5936

■ 49.6374, 61.7462,  
103.9098

■ 45.5655, 57.4021,  
103.2859

■ 42.3614, 53.5841,  
102.7178

■ 39.9260, 50.2405,  
102.2008

■ 38.1162, 47.2965,  
101.7280

■ 37.9225, 46.9649,  
101.6742

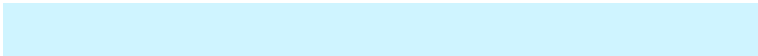
# Harmonies

## Analogous

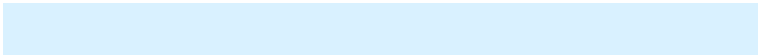
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.4990, 85.1868, 97.5533



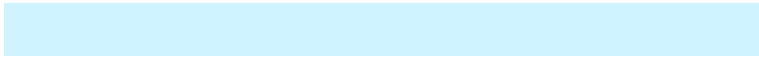
76.1328, 85.1868, 107.0378



79.0848, 85.1868, 112.9099

# Triad

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



76.1328, 85.1868, 107.0378



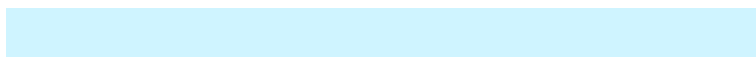
87.7294, 85.1868, 98.2951



79.3310, 85.1868, 74.9854

# Complementary

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



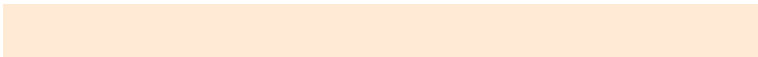
76.1328, 85.1868, 107.0378



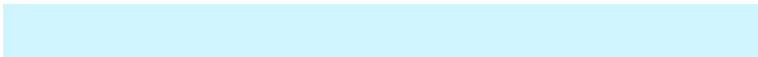
77.5735, 75.9066, 69.5960

# 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.



82.8799, 85.1868, 75.1519



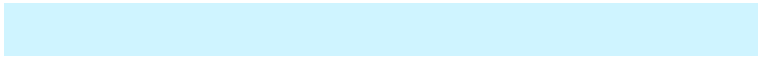
76.1328, 85.1868, 107.0378



87.8000, 85.1868, 88.1147

# Square

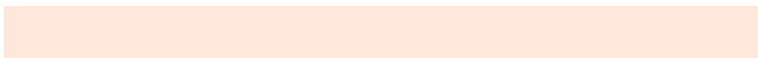
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



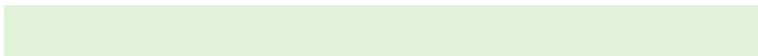
76.1328, 85.1868, 107.0378



85.8124, 85.1868, 107.6151



86.0027, 85.1868, 79.8010

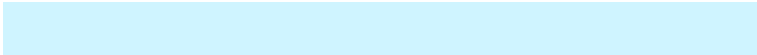


76.3085, 85.1868, 79.3281

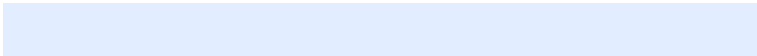


# Rectangle

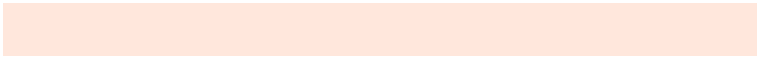
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



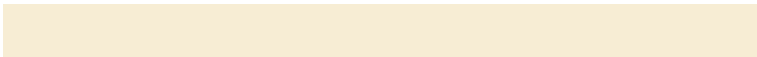
76.1328, 85.1868, 107.0378



81.4365, 85.1868, 113.7349



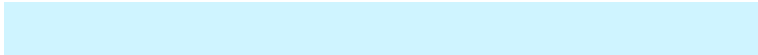
86.0027, 85.1868, 79.8010



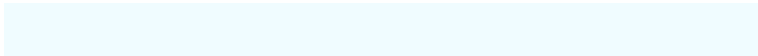
80.5003, 85.1868, 74.5263

# Sweetspot

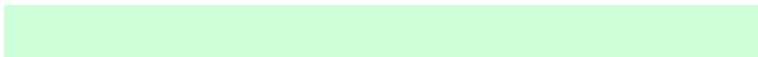
The Sweet Spot groups the original color and five complimentary colors.



76.1350, 85.1902, 107.0383



88.5355, 94.9970, 108.2777



74.0696, 89.8165, 79.3525



18.8044, 20.2201, 23.1617



0.0000, 0.0000, 0.0000

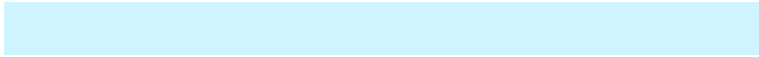


20.3446, 21.4041, 23.3091

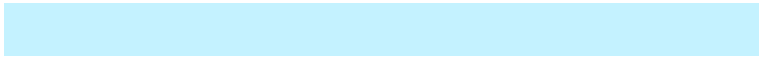


# Same Dimension

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



76.1350, 85.1902, 107.0383



72.5289, 82.2483, 106.6606



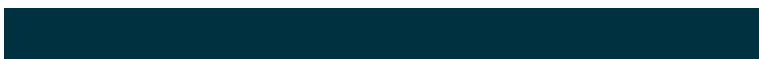
69.5343, 71.9886, 104.8381



18.1813, 19.7342, 23.1008



19.9338, 24.7771, 53.1664



2.0228, 2.5762, 5.2039



# Inverse Universe

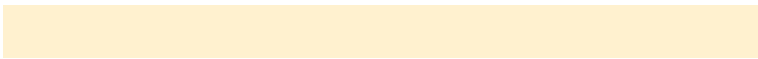
The Inverse Universe completely reimagines the original color for something new.



79.8833, 72.4188, 95.3599



77.0207, 67.2826, 92.5896



84.0768, 88.9132, 71.7637



18.6042, 18.2250, 21.7987



26.8498, 13.2292, 28.9234

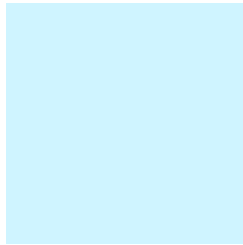


2.6556, 1.3046, 3.0338



# Previews

## White Background



This preview shows how the XYZ color 76.1328, 85.1868, 107.0378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

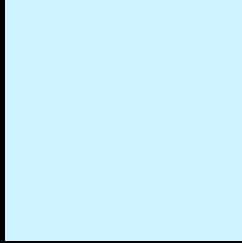
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.1328, 85.1868, 107.0378 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 76.1328, 85.1868, 107.0378**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.1328, 85.1868, 107.0378.



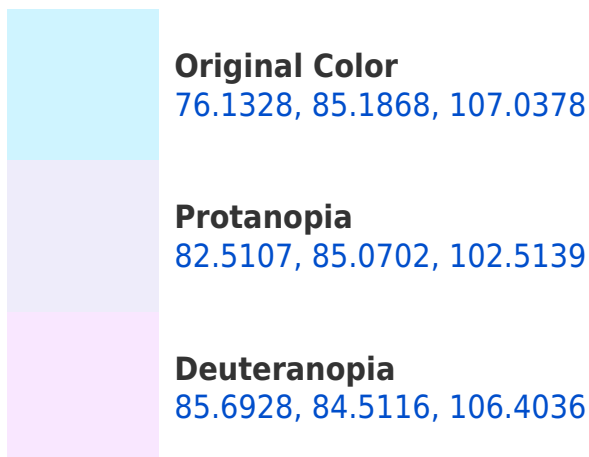
This preview shows how white text looks on a background with the XYZ color 76.1328, 85.1868,



# 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

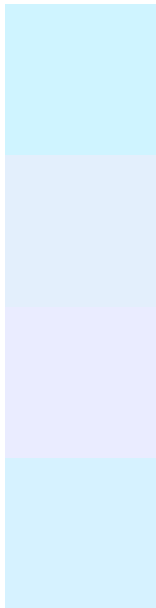




## Tritanopia

78.4187, 85.0360, 106.8882

# Trichromacy



## Original Color

76.1328, 85.1868, 107.0378

## Protanomaly

80.1157, 85.0922, 104.2973

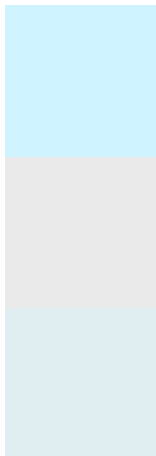
## Deuteranomaly

81.9771, 84.7033, 106.6365

## Tritanomaly

77.5337, 85.0204, 106.9319

# Monochromacy



## Original Color

76.1328, 85.1868, 107.0378

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.3420, 83.4072, 96.0272

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.1328, 85.1868, 107.0378 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(207, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 244, 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(207, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.1328, 85.1868, 107.0378 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(207, 244, 255) }
```



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

```
.border{ border-color:rgb(207, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.1328, 85.1868, 107.0378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 244, 255) }
```

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

```
.background{ background-color: rgb(207,  
244, 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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