

# Converting Colors

XYZ(77.3183, 86.6809,  
107.2637)

Have a look what the booklet for  
XYZ(77.3183, 86.6809, 107.2637)  
contains.

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# Color

**XYZ(77.3003, 86.6868,  
107.2658)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F6FF
RGB	209, 246, 255
RGB Percent	82%, 96%, 100%
CMY	0.1804, 0.0353, 0.0000
CMYK	0.18, 0.04, 0.00, 0.00
HSL	192°, 100%, 91%
HSV	192°, 18%, 100%
XYZ	77.3003, 86.6868, 107.2658
YIQ	235.9630, -24.9410, -5.0450

# Conversions

## Conversions Part 2

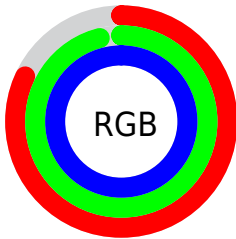
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 230, 255
Decimal	13760255
CIE <sub>Lab</sub>	94.61, -10.03, -8.31
CIE <sub>LCh</sub>	95, 13.025, 219.622
Yxy	86.6868, 0.2850, 0.3196
Android (android.graphics.Color)	4291950335 (0xFFD1F6FF)
<b>YUV</b>	235.9630, 9.3852, -23.6466
Hunter-Lab	93.1057, -14.7369, -3.1331

# Details

The XYZ color **77.3003, 86.6868, 107.2658** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.8199, 76.0054, 70.8924**, and the grayscale version is **79.6466, 83.7944, 91.2521**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9329, 47.7742, 60.4373** is the 20% darker color. If you saturate the color by 10%, you get **69.1590, 80.2704, 106.4564**, and if you desaturate by 10%, it is **86.6416, 93.7868, 108.1439**.

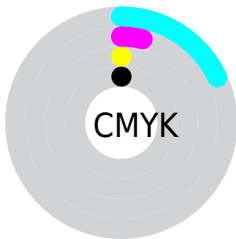
# Distribution



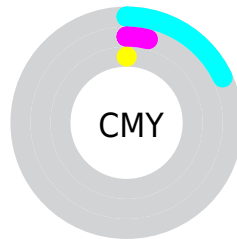
- Red (82%)
- Green (96%)
- Blue (100%)



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



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3003, 86.6868, 107.2658 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 77.3003, 86.6868, 107.2658 by changing the saturation by 10% instead.



77.3003, 86.6868,  
107.2658

77.3003, 86.6868,  
107.2658

474.6635,  
517.1931, 604.6892

57.8002, 65.2360,  
81.7316

128.5339,  
142.7275, 173.2454

41.8906, 47.6525,  
60.6098

160.9981,  
178.0863, 214.5280

29.2064, 33.5518,  
43.4818

198.5143,  
218.8498, 261.8970

19.3821, 22.5495,  
29.9292

241.4479,  
265.4025, 315.7712

12.0523, 14.2612,  
19.5332

290.1643,  
318.1288, 376.5689

6.8518, 8.3026,  
11.8755

345.0288,

3.4151, 4.2892,

377.4131, 444.7088

6.5375

406.4067,  
443.6397, 520.6094

■ 1.3769, 1.8366,  
3.1005

■ 0.2397, 0.5098,  
1.1462

■ 77.3003, 86.6868,  
107.2658

■ 77.3003, 86.6868,  
107.2658

■ 69.1590, 80.2704,  
106.4564

■ 86.6416, 93.7868,  
108.1439

■ 62.1556, 74.4984,  
105.7114

95.0500, 100.0000,  
108.9000

■ 56.2330, 69.3431,  
105.0285

■ 51.3259, 64.7703,  
104.4045

■ 47.3619, 60.7422,  
103.8359

■ 44.2586, 57.2159,  
103.3188

■ 41.9188, 54.1408,  
102.8486

■ 40.2107, 51.4484,  
102.4190

■ 39.9131, 50.9462,  
102.3377

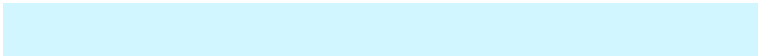
# Harmonies

## Analogous

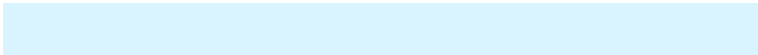
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9129, 86.6868, 97.6570



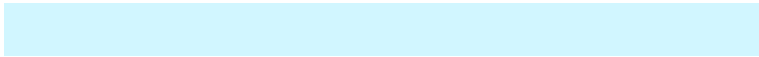
77.3003, 86.6868, 107.2658



80.0641, 86.6868, 113.7024

# Triad

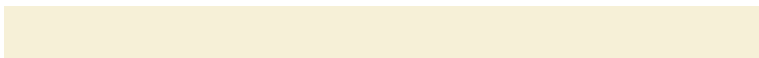
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3003, 86.6868, 107.2658



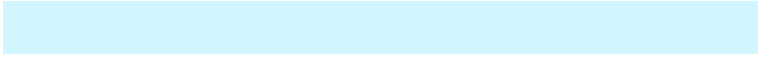
88.8871, 86.6868, 101.2830



81.2696, 86.6868, 76.5744

# Complementary

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



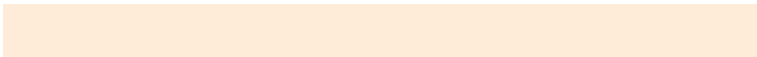
77.3003, 86.6868, 107.2658



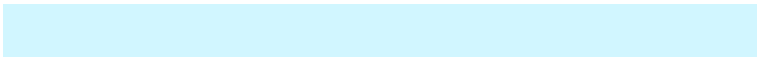
77.8199, 76.0054, 70.8924

# 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.



84.7671, 86.6868, 77.3935



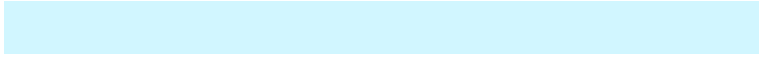
77.3003, 86.6868, 107.2658



89.2321, 86.6868, 91.1912

# Square

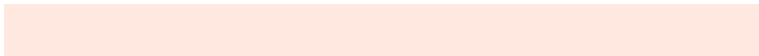
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3003, 86.6868, 107.2658



86.7752, 86.6868, 110.0816



87.7050, 86.6868, 82.5830

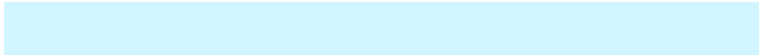


78.1613, 86.6868, 80.2602

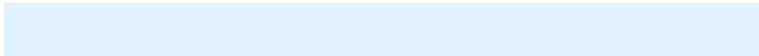


# Rectangle

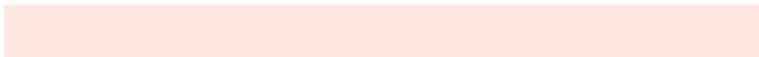
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



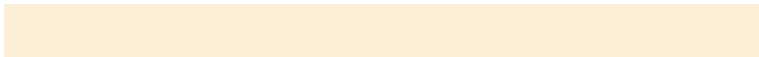
77.3003, 86.6868, 107.2658



82.3487, 86.6868, 115.0778



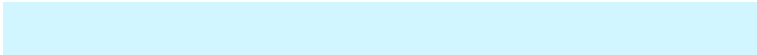
87.7050, 86.6868, 82.5830



82.4377, 86.6868, 76.3384

# Sweetspot

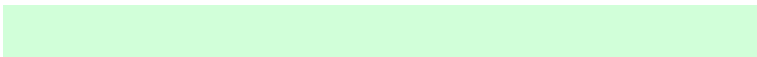
The Sweet Spot groups the original color and five complimentary colors.



77.3026, 86.6903, 107.2664



89.7235, 96.0810, 108.4243



74.6365, 90.1082, 79.4020



19.0497, 20.4505, 23.1933



0.0000, 0.0000, 0.0000

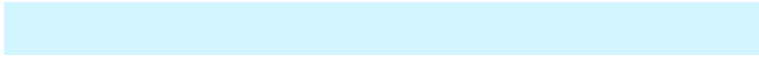


20.3446, 21.4041, 23.3091

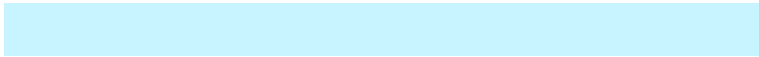


# Same Dimension

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



77.3026, 86.6903, 107.2664



73.9361, 84.0674, 106.9375



70.8852, 73.8555, 105.1272



18.2353, 19.8422, 23.1188



20.9623, 26.8342, 53.5093



2.1146, 2.7598, 5.2345



# Inverse Universe

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



80.6765, 73.5165, 97.1307



77.9740, 68.5943, 94.7416



84.0371, 88.4398, 72.9648



18.6314, 18.2359, 21.9422



27.3690, 13.4369, 31.6573

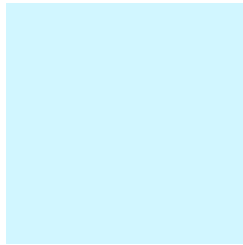


2.7019, 1.3231, 3.2778



# Previews

## White Background



This preview shows how the XYZ color 77.3003, 86.6868, 107.2658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

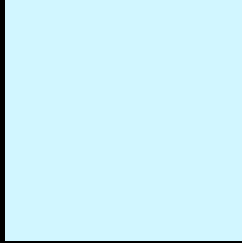
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3003, 86.6868, 107.2658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

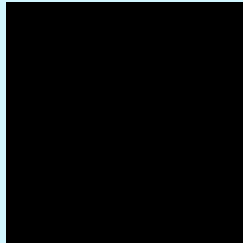
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.3003, 86.6868, 107.2658

## Background



This preview shows how black text looks on a background with the XYZ color 77.3003, 86.6868, 107.2658.



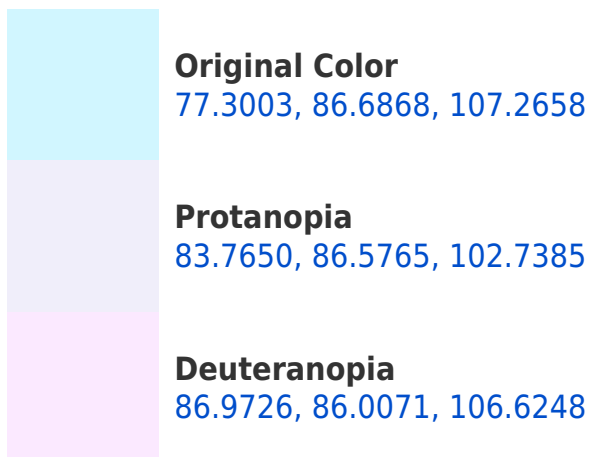
This preview shows how white text looks on a background with the XYZ color 77.3003, 86.6868,

107.2658.

# 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

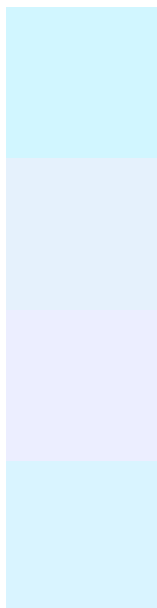




## Tritanopia

80.2248, 86.8508, 107.1433

# Trichromacy



## Original Color

77.3003, 86.6868, 107.2658

## Protanomaly

81.3391, 86.5969, 104.5233

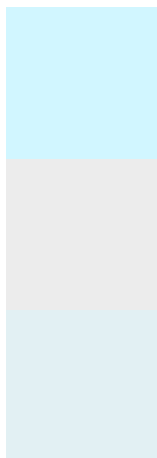
## Deuteranomaly

83.2166, 86.2019, 106.8604

## Tritanomaly

79.0160, 86.6731, 107.1727

# Monochromacy



## Original Color

77.3003, 86.6868, 107.2658

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.7018, 84.9600, 97.0449

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3003, 86.6868, 107.2658 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(209, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3003, 86.6868, 107.2658 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(209, 246, 255) }
```



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

```
.border{ border-color:rgb(209, 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(209, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3003, 86.6868, 107.2658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 246, 255) }
```

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

```
.background{ background-color: rgb(209,  
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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