

# Converting Colors

XYZ(83.1432, 88.1541,  
141.0062)

Have a look what the booklet for  
XYZ(83.1432, 88.1541, 141.0062)  
contains.

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# Color

**XYZ(76.6952, 85.4767,  
107.0641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1F4FF
RGB	209, 244, 255
RGB Percent	82%, 96%, 100%
CMY	0.1804, 0.0431, 0.0000
CMYK	0.18, 0.04, 0.00, 0.00
HSL	194°, 100%, 91%
HSV	194°, 18%, 100%
XYZ	76.6952, 85.4767, 107.0641
YIQ	234.7890, -24.3910, -3.9990

# Conversions

## Conversions Part 2

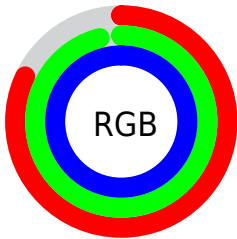
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 229, 255
Decimal	13759743
CIE <sub>Lab</sub>	94.09, -9.02, -9.07
CIE <sub>LCh</sub>	94, 12.797, 225.152
Yxy	85.4767, 0.2849, 0.3175
Android (android.graphics.Color)	4291949823 (0xFFD1F4FF)
YUV	234.7890, 9.9640, -22.6170
Hunter-Lab	92.4536, -13.7185, -3.9421

# Details

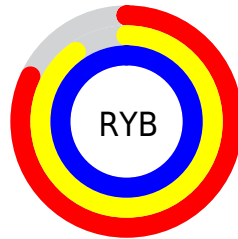
The XYZ color **76.6952, 85.4767, 107.0641** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.3415, 77.0487, 71.0662**, and the grayscale version is **78.7470, 82.8480, 90.2215**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5027, 46.9137, 60.2939** is the 20% darker color. If you saturate the color by 10%, you get **68.2465, 78.4455, 106.1523**, and if you desaturate by 10%, it is **86.3638, 93.2313, 108.0513**.

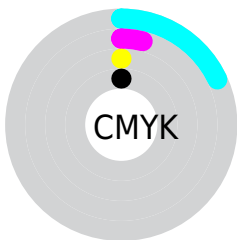
# Distribution



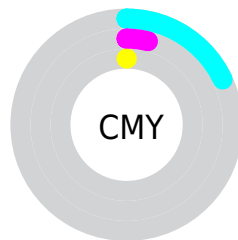
- Red (82%)
- Green (96%)
- Blue (100%)



- 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 76.6952, 85.4767, 107.0641 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 76.6952, 85.4767, 107.0641 by changing the saturation by 10% instead.



76.6952, 85.4767,  
107.0641

76.6952, 85.4767,  
107.0641

472.6321,  
513.2041, 604.0502

57.3018, 64.2353,  
81.5634

127.6843,  
141.0390, 172.9677

41.4887, 46.8413,  
60.4720

160.0106,  
176.1287, 214.2077

28.8905, 32.9102,  
43.3714

197.3787,  
216.6034, 261.5312

19.1419, 22.0577,  
29.8431

240.1538,  
262.8473, 315.3568

11.8774, 13.8993,  
19.4685

288.7014,  
315.2450, 376.1029

6.7319, 8.0507,  
11.8290

343.3867,

3.3398, 4.1274,

374.1807, 444.1882

6.5062

404.5751,  
440.0390, 520.0311

■ 1.3359, 1.7451,  
3.0816

■ 0.2099, 0.4526,  
1.1364

■ 76.6952, 85.4767,  
107.0641

■ 76.6952, 85.4767,  
107.0641

■ 68.2465, 78.4455,  
106.1523

■ 86.3638, 93.2313,  
108.0513

■ 60.9554, 72.0981,  
105.3114

95.0500, 100.0000,  
108.9000

■ 54.7645, 66.4061,  
104.5390

■ 49.6082, 61.3350,  
103.8319

■ 45.4139, 56.8463,  
103.1866

■ 42.0989, 52.8965,  
102.5989

■ 39.5656, 49.4344,  
102.0642

■ 37.6820, 46.3911,  
101.5761

■ 37.3521, 45.8242,  
101.4840

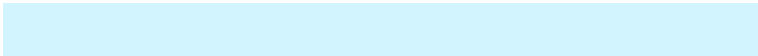
# Harmonies

## Analogous

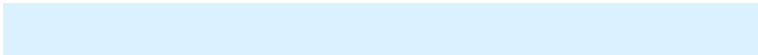
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0623, 85.4767, 98.0773



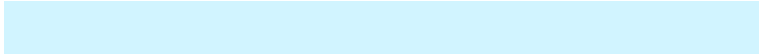
76.6952, 85.4767, 107.0641



79.5703, 85.4767, 112.4773

# Triad

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



76.6952, 85.4767, 107.0641



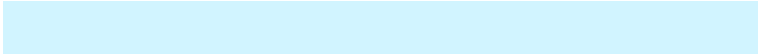
87.7636, 85.4767, 97.9772



79.5370, 85.4767, 76.0563

# Complementary

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



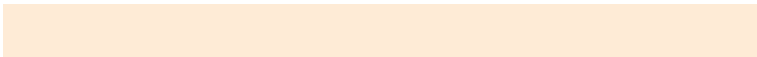
76.6952, 85.4767, 107.0641



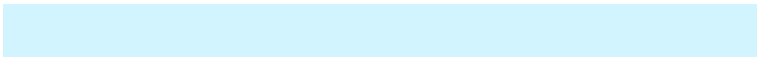
78.3415, 77.0487, 71.0662

# 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.



82.9390, 85.4767, 76.0336



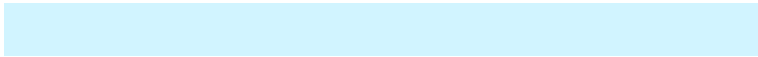
76.6952, 85.4767, 107.0641



87.7541, 85.4767, 88.2353

# Square

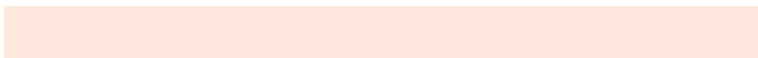
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



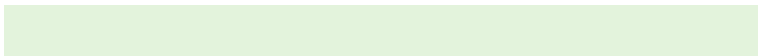
76.6952, 85.4767, 107.0641



85.9929, 85.4767, 106.9864



85.9672, 85.4767, 80.3510

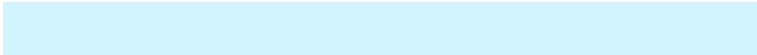


76.6714, 85.4767, 80.4152

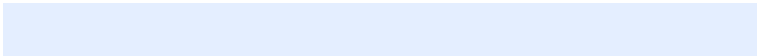


# Rectangle

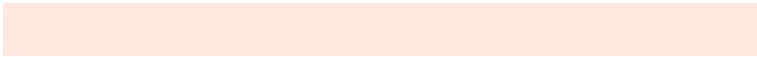
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6952, 85.4767, 107.0641



81.8348, 85.4767, 113.1053



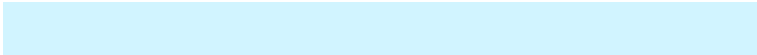
85.9672, 85.4767, 80.3510



80.6542, 85.4767, 75.5518

# Sweetspot

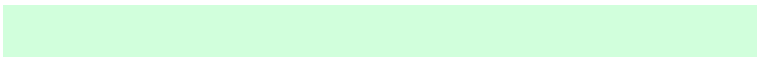
The Sweet Spot groups the original color and five complimentary colors.



76.6975, 85.4801, 107.0647



89.5493, 95.7324, 108.3662



74.9385, 90.2290, 80.9928



19.0073, 20.3655, 23.1791



0.0000, 0.0000, 0.0000

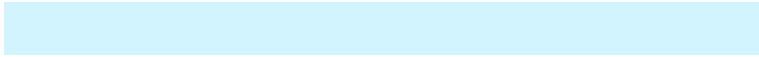


20.3446, 21.4041, 23.3091

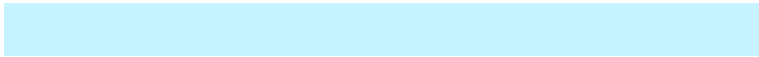


# Same Dimension

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



76.6975, 85.4801, 107.0647



73.2069, 82.6090, 106.6945



70.2727, 72.6306, 104.9231



18.1653, 19.7022, 23.0954



19.6388, 24.1872, 53.0681



1.9963, 2.5233, 5.1951



# Inverse Universe

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



80.3710, 73.3942, 95.5225



77.6059, 68.4470, 92.8034



84.7200, 89.8057, 73.1923



18.5961, 18.2217, 21.7561



26.7010, 13.1697, 28.1394

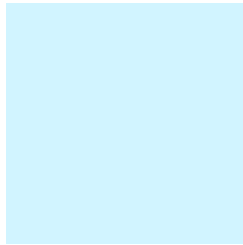


2.6423, 1.2993, 2.9635



# Previews

## White Background



This preview shows how the XYZ color 76.6952, 85.4767, 107.0641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

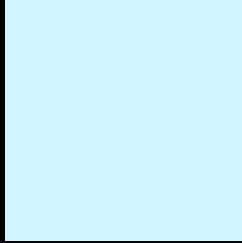
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.6952, 85.4767, 107.0641 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

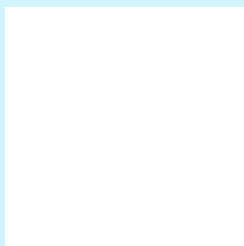
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.6952, 85.4767, 107.0641**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.6952, 85.4767, 107.0641.



This preview shows how white text looks on a background with the XYZ color 76.6952, 85.4767,



# 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

76.6952, 85.4767, 107.0641

### Protanopia

82.5107, 85.0702, 102.5139

### Deuteranopia

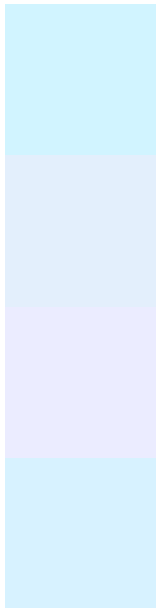
86.3310, 85.2572, 106.5139



## **Tritanopia**

78.7187, 85.1907, 106.9023

# Trichromacy



## Original Color

76.6952, 85.4767, 107.0641

## Protanomaly

80.1157, 85.0922, 104.2973

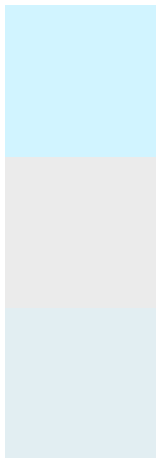
## Deuteranomaly

82.3064, 84.8731, 106.6519

## Tritanomaly

77.8265, 85.1713, 106.9456

# Monochromacy



## Original Color

76.6952, 85.4767, 107.0641

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.9656, 83.7286, 96.0564

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.6952, 85.4767, 107.0641 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.6952, 85.4767, 107.0641 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, 244, 255) }
```



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

```
.border{ border-color:rgb(209, 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(209, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.6952, 85.4767, 107.0641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 244, 255) }
```

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

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