

# Converting Colors

XYZ(96.6889, 93.4874,  
208.6270)

Have a look what the booklet for  
XYZ(96.6889, 93.4874, 208.6270)  
contains.

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# **Color**

**XYZ(77.5521, 85.9184,  
107.1042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F4FF
RGB	212, 244, 255
RGB Percent	83%, 96%, 100%
CMY	0.1686, 0.0431, 0.0000
CMYK	0.17, 0.04, 0.00, 0.00
HSL	195°, 100%, 92%
HSV	195°, 17%, 100%
XYZ	77.5521, 85.9184, 107.1042
YIQ	235.6860, -22.6030, -3.3630

# Conversions

## Conversions Part 2

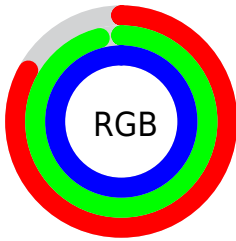
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 230, 255
Decimal	13956351
CIE <sub>Lab</sub>	94.28, -8.11, -8.77
CIE <sub>LCh</sub>	94, 11.948, 227.231
Y <sub>xy</sub>	85.9184, 0.2866, 0.3175
Android (android.graphics.Color)	4292146431 (0xFFD4F4FF)
YUV	235.6860, 9.5218, -20.7726
Hunter-Lab	92.6922, -12.8670, -3.6240

# Details

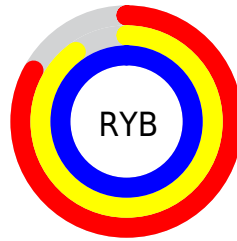
The XYZ color **77.5521, 85.9184, 107.1042** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.5111, 78.7878, 73.3061**, and the grayscale version is **79.4326, 83.5693, 91.0069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0809, 47.2118, 60.3210** is the 20% darker color. If you saturate the color by 10%, you get **68.8467, 78.5714, 106.1449**, and if you desaturate by 10%, it is **87.4924, 94.0096, 108.1421**.

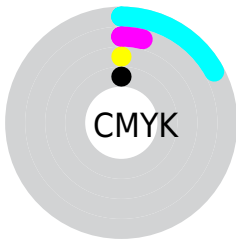
# Distribution



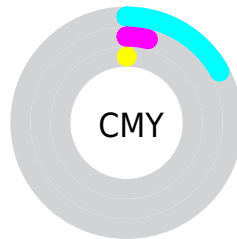
- Red (83%)
- Green (96%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5521, 85.9184, 107.1042 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 77.5521, 85.9184, 107.1042 by changing the saturation by 10% instead.



77.5521, 85.9184,  
107.1042

77.5521, 85.9184,  
107.1042

475.5075,  
514.6621, 604.1773

58.0076, 64.6005,  
81.5968

128.8872,  
141.6556, 173.0230

42.0581, 47.1372,  
60.4994

161.4086,  
176.8437, 214.2714

29.3381, 33.1441,  
43.3934

198.9863,  
217.4240, 261.6040

19.4823, 22.2369,  
29.8602

241.9857,  
263.7809, 315.4392

12.1253, 14.0311,  
19.4813

290.7722,  
316.2987, 376.1956

6.9019, 8.1423,  
11.8383

345.7111,

3.4466, 4.1861,

375.3620, 444.2917

6.5124

407.1677,  
441.3550, 520.1461

■ 1.3941, 1.7782,  
3.0853

■ 0.2520, 0.4735,  
1.1384

■ 77.5521, 85.9184,  
107.1042

■ 77.5521, 85.9184,  
107.1042

■ 68.8467, 78.5714,  
106.1449

■ 87.4924, 94.0096,  
108.1421

■ 61.3142, 71.9288,  
105.2598

95.0500, 100.0000,  
108.9000

■ 54.8976, 65.9624,  
104.4463

■ 49.5320, 60.6376,  
103.7014

■ 45.1455, 55.9164,  
103.0213

■ 41.6566, 51.7555,  
102.4020

■ 38.9699, 48.1047,  
101.8389

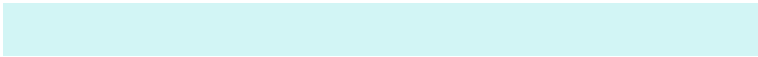
■ 36.9646, 44.9004,  
101.3261

■ 36.4186, 43.9573,  
101.1729

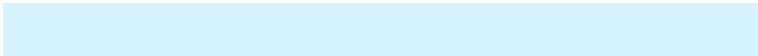
# Harmonies

## Analogous

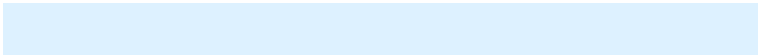
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9211, 85.9184, 98.8729



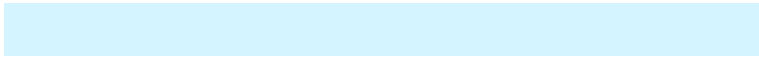
77.5521, 85.9184, 107.1042



80.3093, 85.9184, 111.8270

# Triad

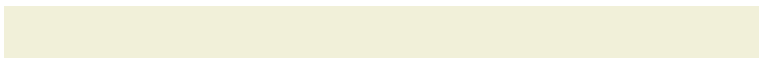
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5521, 85.9184, 107.1042



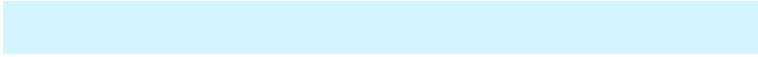
87.8173, 85.9184, 97.5030



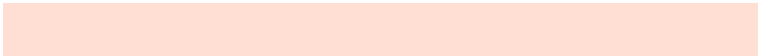
79.8522, 85.9184, 77.6961

# Complementary

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



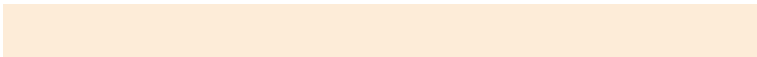
77.5521, 85.9184, 107.1042



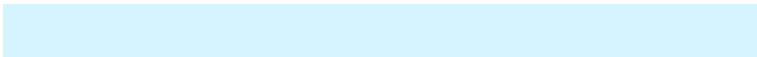
79.5111, 78.7878, 73.3061

# 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.



83.0315, 85.9184, 77.3825



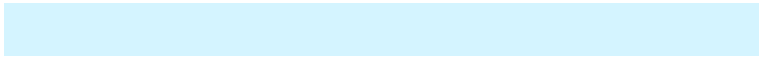
77.5521, 85.9184, 107.1042



87.6871, 85.9184, 88.4227

# Square

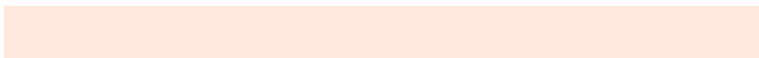
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



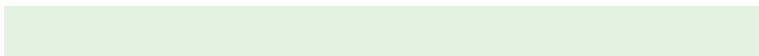
77.5521, 85.9184, 107.1042



86.2676, 85.9184, 106.0450



85.9164, 85.9184, 81.1914

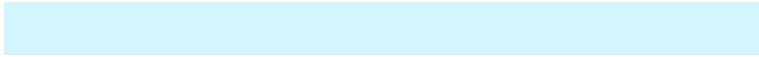


77.2250, 85.9184, 82.0781

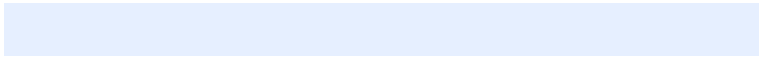


# Rectangle

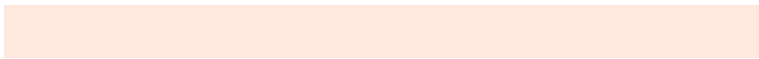
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5521, 85.9184, 107.1042



82.4405, 85.9184, 112.1606



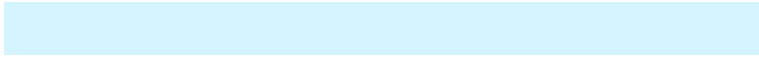
85.9164, 85.9184, 81.1914



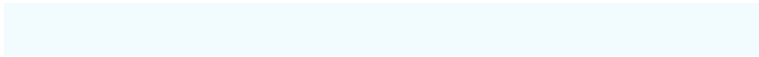
80.8902, 85.9184, 77.1221

# Sweetspot

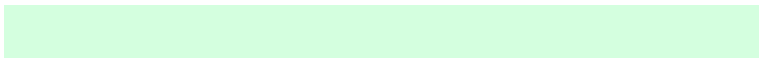
The Sweet Spot groups the original color and five complimentary colors.



77.5544, 85.9218, 107.1048



89.4825, 95.5989, 108.3439



76.1980, 90.8318, 83.1531



18.9910, 20.3330, 23.1737



0.0000, 0.0000, 0.0000

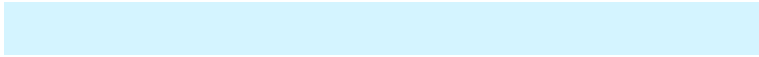


20.3446, 21.4041, 23.3091

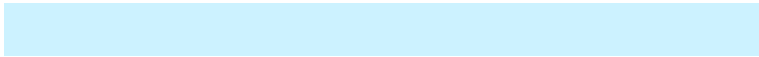


# Same Dimension

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



77.5544, 85.9218, 107.1048



74.6916, 83.5370, 106.7953



71.5237, 73.8604, 105.0945



18.1386, 19.6487, 23.0865



19.1559, 23.2213, 52.9071



1.9528, 2.4364, 5.1806



# Inverse Universe

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



81.1141, 74.8803, 95.7701



78.8537, 70.8540, 93.4920



85.5502, 90.8659, 75.3191



18.5826, 18.2163, 21.6850



26.4572, 13.0722, 26.8558

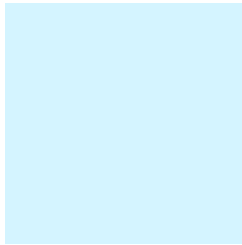


2.6203, 1.2905, 2.8480



# Previews

## White Background



This preview shows how the XYZ color 77.5521, 85.9184, 107.1042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

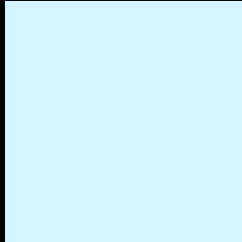
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5521, 85.9184, 107.1042 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

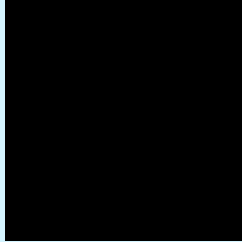
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.5521, 85.9184, 107.1042

## Background



This preview shows how black text looks on a background with the XYZ color 77.5521, 85.9184, 107.1042.



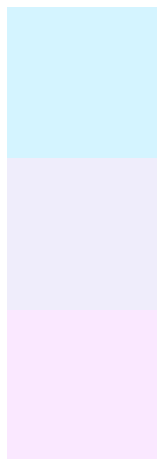
This preview shows how white text looks on a background with the XYZ color 77.5521, 85.9184,



# 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

77.5521, 85.9184, 107.1042

### Protanopia

83.2934, 85.8841, 103.4541

### Deuteranopia

86.3310, 85.2572, 106.5139



## **Tritanopia**

79.3241, 85.5027, 106.9306

# Trichromacy



## Original Color

77.5521, 85.9184, 107.1042

## Protanomaly

81.0439, 86.0065, 104.4249

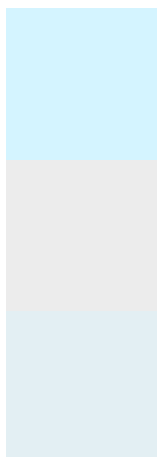
## Deuteranomaly

82.6375, 85.0438, 106.6674

## Tritanomaly

78.7156, 85.6297, 106.9872

# Monochromacy



## Original Color

77.5521, 85.9184, 107.1042

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.7227, 84.5350, 96.9618

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5521, 85.9184, 107.1042 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(212, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5521, 85.9184, 107.1042 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(212, 244, 255) }
```



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

```
.border{ border-color:rgb(212, 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(212, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5521, 85.9184, 107.1042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 244, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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