

# Converting Colors

XYZ(79.1172, 89.1984,  
107.6548)

Have a look what the booklet for  
XYZ(79.1172, 89.1984, 107.6548)  
contains.

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# Color

**XYZ(79.0771, 88.9684,  
107.6126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F9FF
RGB	212, 249, 255
RGB Percent	83%, 98%, 100%
CMY	0.1686, 0.0235, 0.0000
CMYK	0.17, 0.02, 0.00, 0.00
HSL	188°, 100%, 92%
HSV	188°, 17%, 100%
XYZ	79.0771, 88.9684, 107.6126
YIQ	238.6210, -23.9780, -5.9780

# Conversions

## Conversions Part 2

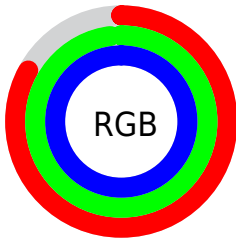
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 232, 255
Decimal	13957631
CIE Lab	95.57, -10.63, -6.86
CIE LCh	96, 12.653, 212.842
Yxy	88.9684, 0.2869, 0.3227
Android (android.graphics.Color)	4292147711 (0xFFD4F9FF)
YUV	238.6210, 8.0748, -23.3466
Hunter-Lab	94.3231, -15.4173, -1.6175

# Details

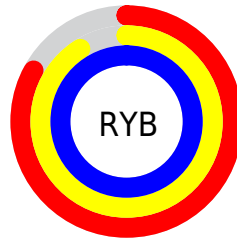
The XYZ color **79.0771, 88.9684, 107.6126** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.1948, 76.1552, 72.8673**, and the grayscale version is **81.7041, 85.9590, 93.6094**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1676, 49.3852, 60.6832** is the 20% darker color. If you saturate the color by 10%, you get **71.2107, 83.2995, 106.9329**, and if you desaturate by 10%, it is **88.1298, 95.2845, 108.3546**.

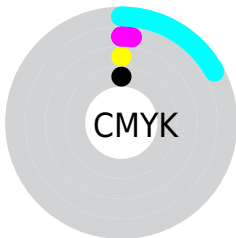
# Distribution



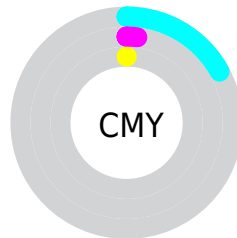
- Red (83%)
- Green (98%)
- Blue (100%)



- Red (83%)
- Yellow (91%)
- Blue (100%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0771, 88.9684, 107.6126 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 79.0771, 88.9684, 107.6126 by changing the saturation by 10% instead.



79.0771, 88.9684,  
107.6126

79.0771, 88.9684,  
107.6126

480.6012,  
524.6694, 605.7872

59.2651, 67.1254,  
82.0210

131.0248,  
145.9046, 173.7227

43.0737, 49.1865,  
60.8469

163.8911,  
181.7666, 215.0783

30.1377, 34.7675,  
43.6719

201.8395,  
223.0703, 262.5257

20.0917, 23.4838,  
30.0773

245.2354,  
270.2002, 316.4833

12.5704, 14.9511,  
19.6447

294.4442,  
323.5407, 377.3697

7.2083, 8.7851,  
11.9556

349.8312,

3.6402, 4.6013,

383.4761, 445.6034

6.5913

411.7617,  
450.3909, 521.6031

■ 1.5007, 2.0153,  
3.1333

■ 0.3263, 0.6163,  
1.1631

■ 79.0771, 88.9684,  
107.6126

■ 79.0771, 88.9684,  
107.6126

■ 71.2107, 83.2995,  
106.9329

■ 88.1298, 95.2845,  
108.3546

■ 64.4692, 78.2388,  
106.3114

95.0500, 100.0000,  
108.9000

■ 58.7961, 73.7594,  
105.7458

■ 54.1272, 69.8280,  
105.2331

■ 50.3912, 66.4078,  
104.7698

■ 47.5073, 63.4569,  
104.3523

■ 45.3807, 60.9262,  
103.9759

■ 43.8912, 58.7537,  
103.6350

■ 43.4982, 58.1163,  
103.5327

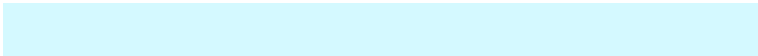
# Harmonies

## Analogous

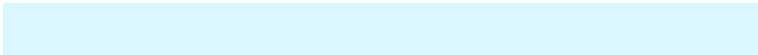
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0691, 88.9684, 97.8225



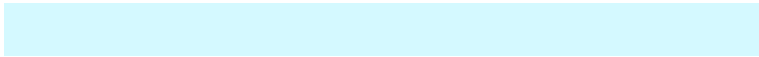
79.0771, 88.9684, 107.6126



81.5517, 88.9684, 114.8944

# Triad

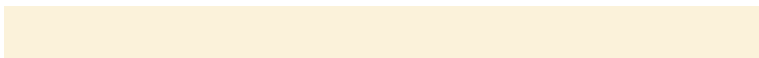
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.0771, 88.9684, 107.6126



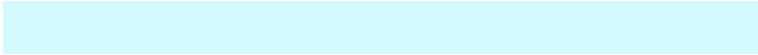
90.6406, 88.9684, 105.8611



84.2312, 88.9684, 79.0063

# Complementary

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



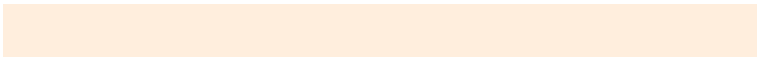
79.0771, 88.9684, 107.6126



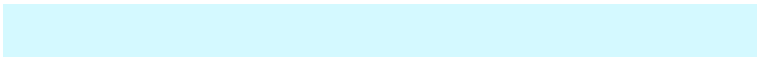
78.1948, 76.1552, 72.8673

# 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.



87.6451, 88.9684, 80.8393



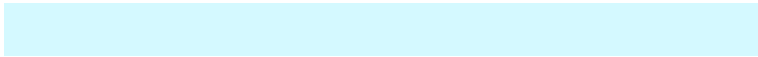
79.0771, 88.9684, 107.6126



91.4049, 88.9684, 95.9266

# Square

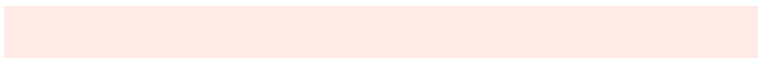
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



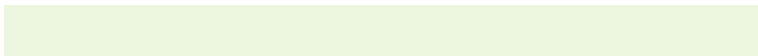
79.0771, 88.9684, 107.6126



88.2335, 88.9684, 113.8355



90.2944, 88.9684, 86.8700

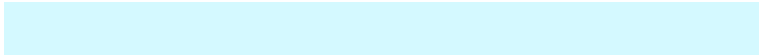


80.9934, 88.9684, 81.6825

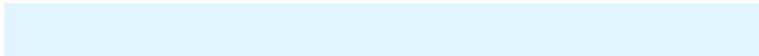


# Rectangle

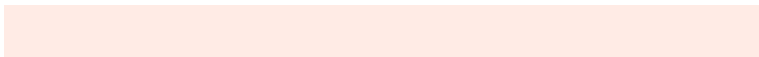
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0771, 88.9684, 107.6126



83.7329, 88.9684, 117.1027



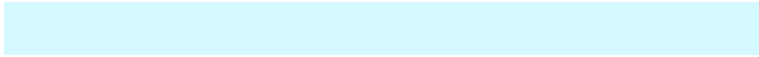
90.2944, 88.9684, 86.8700



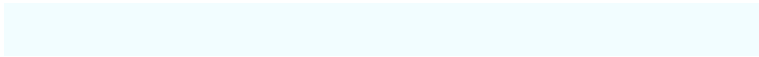
85.3962, 88.9684, 79.1158

# Sweetspot

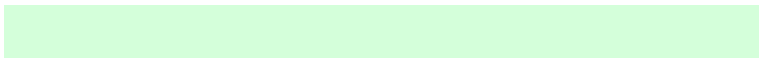
The Sweet Spot groups the original color and five complimentary colors.



79.0794, 88.9720, 107.6131



89.9493, 96.5325, 108.4995



75.5325, 90.5656, 79.6484



19.1048, 20.5605, 23.2116



0.0000, 0.0000, 0.0000

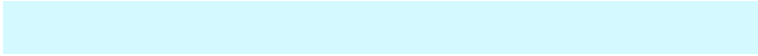


20.3446, 21.4041, 23.3091

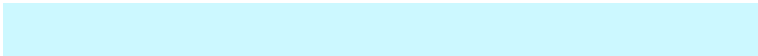


# Same Dimension

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



79.0794, 88.9720, 107.6131



76.4852, 87.1241, 107.3932



72.8819, 76.5769, 105.5473



18.3262, 20.0241, 23.1491



22.8119, 30.5334, 54.1258



2.2779, 3.0866, 5.2890



# Inverse Universe

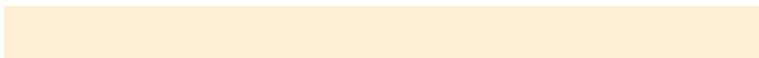
The Inverse Universe completely reimagines the original color for something new.



81.8838, 75.1882, 99.8237



79.7590, 71.2162, 98.2593



84.0592, 87.8839, 74.8221



18.6773, 18.2542, 22.1839



28.3026, 13.8103, 36.5735

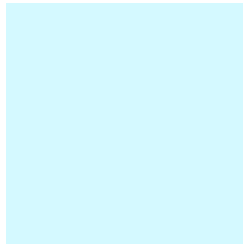


2.7844, 1.3561, 3.7121



# Previews

## White Background



This preview shows how the XYZ color 79.0771, 88.9684, 107.6126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

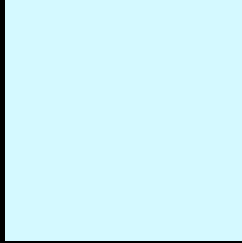
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0771, 88.9684, 107.6126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

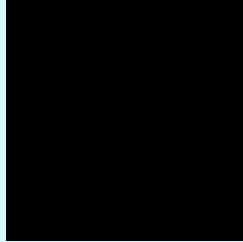
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.0771, 88.9684, 107.6126

## Background



This preview shows how black text looks on a background with the XYZ color 79.0771, 88.9684, 107.6126.



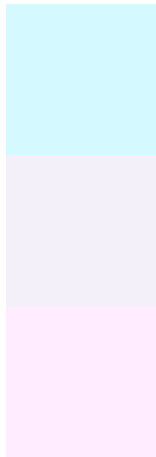
This preview shows how white text looks on a background with the XYZ color 79.0771, 88.9684,



# 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

79.0771, 88.9684, 107.6126

### Protanopia

85.7236, 88.4554, 102.9980

### Deuteranopia

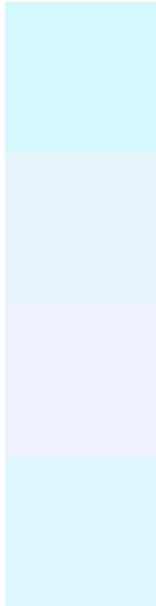
89.2855, 88.4709, 106.9785



## **Tritanopia**

82.6973, 89.0188, 107.4315

# Trichromacy



## Original Color

79.0771, 88.9684, 107.6126

## Protanomaly

82.9000, 88.2853, 104.7669

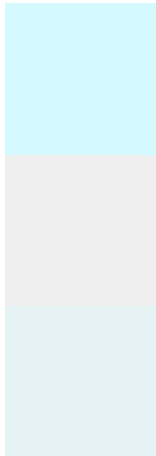
## Deuteranomaly

85.1019, 88.4813, 107.2010

## Tritanomaly

81.1300, 88.6611, 107.4450

# Monochromacy



## Original Color

79.0771, 88.9684, 107.6126

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

80.8451, 87.3518, 98.9858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0771, 88.9684, 107.6126 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 249, 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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0771, 88.9684, 107.6126 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, 249, 255) }
```



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

```
.border{ border-color:rgb(212, 249, 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, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0771, 88.9684, 107.6126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 249, 255) }
```

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

```
.background{ background-color: rgb(212,  
249, 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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