

# Converting Colors

XYZ(78.8921, 88.3788,  
107.5085)

Have a look what the booklet for  
XYZ(78.8921, 88.3788, 107.5085)  
contains.

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# **Color**

**XYZ(79.0580, 88.5009,  
107.5233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F8FF
RGB	213, 248, 255
RGB Percent	84%, 97%, 100%
CMY	0.1647, 0.0274, 0.0000
CMYK	0.16, 0.03, 0.00, 0.00
HSL	190°, 100%, 92%
HSV	190°, 16%, 100%
XYZ	79.0580, 88.5009, 107.5233
YIQ	238.3330, -23.1070, -5.2430

# Conversions

## Conversions Part 2

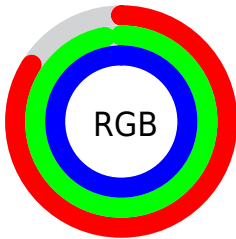
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 232, 255
Decimal	14022911
CIE <sub>Lab</sub>	95.37, -9.82, -7.14
CIE <sub>LCh</sub>	95, 12.147, 216.025
Yxy	88.5009, 0.2874, 0.3217
Android (android.graphics.Color)	4292212991 (0xFFD5F8FF)
YUV	238.3330, 8.2168, -22.2170
Hunter-Lab	94.0749, -14.6246, -1.9133

# Details

The XYZ color **79.0580, 88.5009, 107.5233** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.8432, 77.2494, 73.7078**, and the grayscale version is **81.4791, 85.7224, 93.3516**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1432, 49.0456, 60.6189** is the 20% darker color. If you saturate the color by 10%, you get **70.9446, 82.4040, 106.7741**, and if you desaturate by 10%, it is **88.3686, 95.2636, 108.3379**.

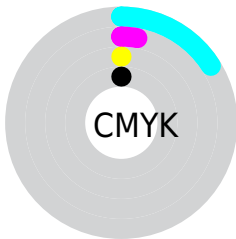
# Distribution



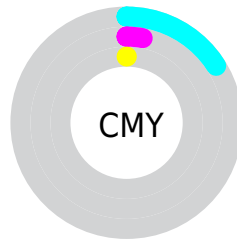
- Red (84%)
- Green (97%)
- Blue (100%)



- Red (84%)
- Yellow (91%)
- Blue (100%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0580, 88.5009, 107.5233 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 79.0580, 88.5009, 107.5233 by changing the saturation by 10% instead.



79.0580, 88.5009,  
107.5233

79.0580, 88.5009,  
107.5233

480.5376,  
523.1422, 605.5046

59.2493, 66.7380,  
81.9465

130.9980,  
145.2543, 173.5999

43.0610, 48.8717,  
60.7858

163.8600,  
181.0136, 214.9366

30.1277, 34.5177,  
43.6229

201.8038,  
222.2071, 262.3638

20.0841, 23.2916,  
30.0392

245.1948,  
269.2193, 316.2999

12.5648, 14.8090,  
19.6160

294.3983,  
322.4345, 377.1635

7.2045, 8.6854,  
11.9349

349.7797,

3.6378, 4.5366,

382.2371, 445.3731

6.5774

411.7043,  
449.0115, 521.3473

■ 1.4993, 1.9780,  
3.1248

■ 0.3254, 0.5947,  
1.1587

■ 79.0580, 88.5009,  
107.5233

■ 79.0580, 88.5009,  
107.5233

■ 70.9446, 82.4040,  
106.7741

■ 88.3686, 95.2636,  
108.3379

■ 63.9671, 76.9341,  
106.0861

95.0500, 100.0000,  
108.9000

■ 58.0690, 72.0640,  
105.4569

■ 53.1863, 67.7606,  
104.8836

■ 49.2481, 63.9868,  
104.3628

■ 46.1737, 60.7009,  
103.8906

■ 43.8690, 57.8540,  
103.4625

■ 42.2162, 55.3851,  
103.0731

■ 41.7257, 54.5713,  
102.9419

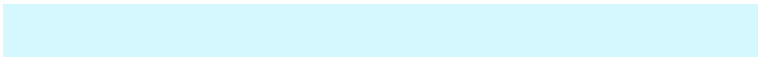
# Harmonies

## Analogous

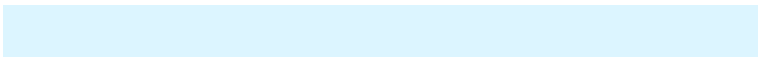
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9256, 88.5009, 98.2947



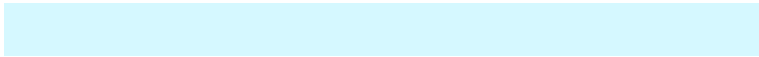
79.0580, 88.5009, 107.5233



81.5493, 88.5009, 114.0569

# Triad

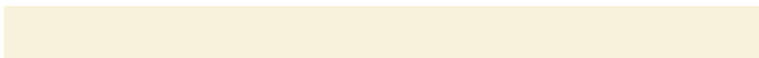
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.0580, 88.5009, 107.5233



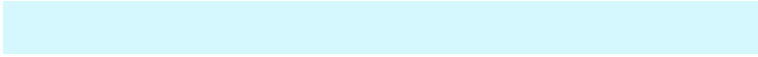
90.0880, 88.5009, 103.9862



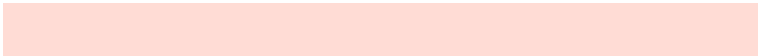
83.4490, 88.5009, 79.2958

# Complementary

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



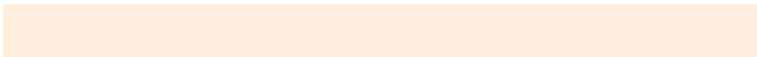
79.0580, 88.5009, 107.5233



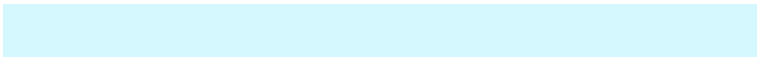
78.8432, 77.2494, 73.7078

# 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.



86.7389, 88.5009, 80.5997



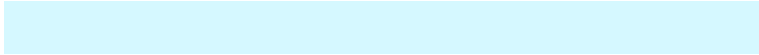
79.0580, 88.5009, 107.5233



90.6289, 88.5009, 94.4557

# Square

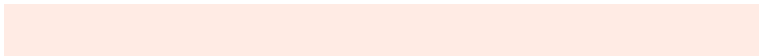
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



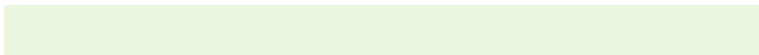
79.0580, 88.5009, 107.5233



87.9292, 88.5009, 111.9226



89.3883, 88.5009, 86.0019

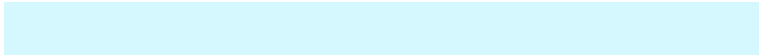


80.4175, 88.5009, 82.3157

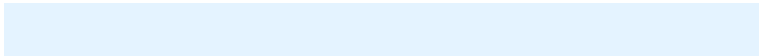


# Rectangle

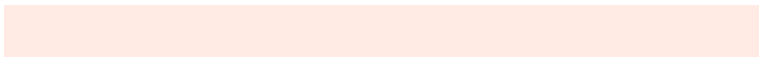
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0580, 88.5009, 107.5233



83.6755, 88.5009, 115.7818



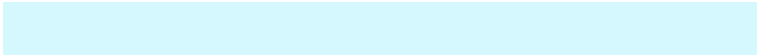
89.3883, 88.5009, 86.0019



84.5609, 88.5009, 79.2457

# Sweetspot

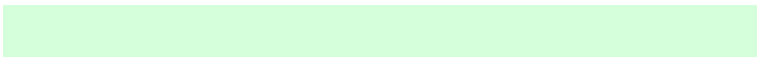
The Sweet Spot groups the original color and five complimentary colors.



79.0603, 88.5044, 107.5239



89.8401, 96.3141, 108.4631



76.0274, 90.7970, 80.7452



19.0781, 20.5073, 23.2027



0.0000, 0.0000, 0.0000

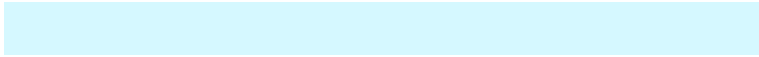


20.3446, 21.4041, 23.3091

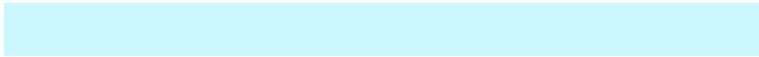


# Same Dimension

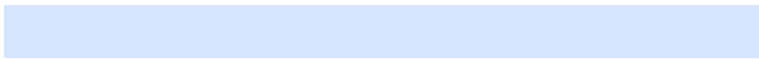
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.0603, 88.5044, 107.5239



76.0616, 86.2769, 107.2520



73.1528, 76.6894, 105.5547



18.2822, 19.9360, 23.1344



21.8978, 28.7053, 53.8211



2.1974, 2.9256, 5.2621



# Inverse Universe

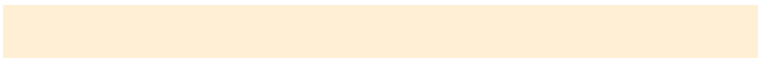
The Inverse Universe completely reimagines the original color for something new.



81.9790, 75.6275, 99.0878



79.5451, 71.1306, 97.1333



84.4994, 88.5618, 75.5931



18.6551, 18.2453, 22.0668



27.8412, 13.6258, 34.1439

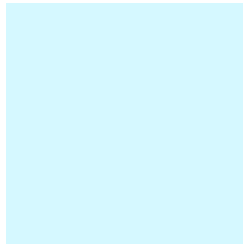


2.7438, 1.3399, 3.4981



# Previews

## White Background



This preview shows how the XYZ color 79.0580, 88.5009, 107.5233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

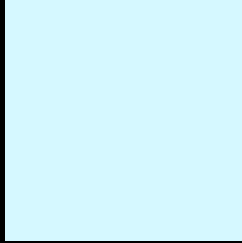
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0580, 88.5009, 107.5233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

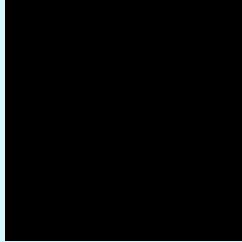
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.0580, 88.5009, 107.5233

## Background



This preview shows how black text looks on a background with the XYZ color 79.0580, 88.5009, 107.5233.



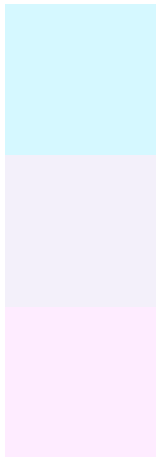
This preview shows how white text looks on a background with the XYZ color 79.0580, 88.5009,



# 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

79.0580, 88.5009, 107.5233

### Protanopia

85.3776, 88.2770, 102.9818

### Deuteranopia

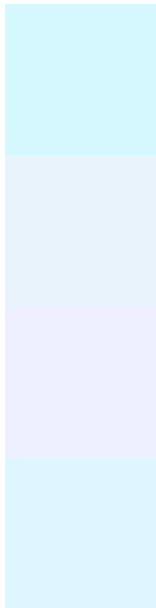
88.9185, 88.2817, 106.9613



## Tritanopia

82.3956, 88.4153, 107.3309

# Trichromacy



## Original Color

79.0580, 88.5009, 107.5233

## Protanomaly

82.9000, 88.2853, 104.7669

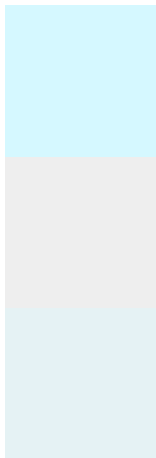
## Deuteranomaly

84.8067, 87.8909, 107.1026

## Tritanomaly

81.1338, 88.2128, 107.3583

# Monochromacy



## Original Color

79.0580, 88.5009, 107.5233

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.3944, 86.6939, 98.0843

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0580, 88.5009, 107.5233 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(213, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 248, 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(213, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0580, 88.5009, 107.5233 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(213, 248, 255) }
```



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

```
.border{ border-color:rgb(213, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0580, 88.5009, 107.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 248, 255) }
```

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

```
.background{ background-color: rgb(213,  
248, 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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