

# Converting Colors

XYZ(79.7701, 89.4065,  
107.6606)

Have a look what the booklet for  
XYZ(79.7701, 89.4065, 107.6606)  
contains.

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# Color

**XYZ(79.6572, 89.2675,  
107.6397)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F9FF
RGB	214, 249, 255
RGB Percent	84%, 98%, 100%
CMY	0.1608, 0.0235, 0.0000
CMYK	0.16, 0.02, 0.00, 0.00
HSL	189°, 100%, 92%
HSV	189°, 16%, 100%
XYZ	79.6572, 89.2675, 107.6397
YIQ	239.2190, -22.7860, -5.5540

# Conversions

## Conversions Part 2

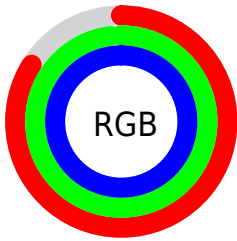
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 233, 255
Decimal	14088703
CIE <sub>Lab</sub>	95.69, -10.02, -6.66
CIE <sub>LCh</sub>	96, 12.034, 213.620
Yxy	89.2675, 0.2880, 0.3228
Android (android.graphics.Color)	4292278783 (0xFFD6F9FF)
YUV	239.2190, 7.7800, -22.1171
Hunter-Lab	94.4815, -14.8495, -1.4101

# Details

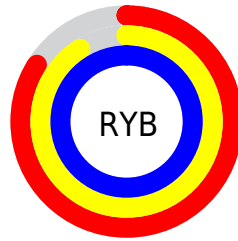
The XYZ color **79.6572, 89.2675, 107.6397** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.9703, 77.3000, 74.3781**, and the grayscale version is **82.1706, 86.4499, 94.1439**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5611, 49.5881, 60.7016** is the 20% darker color. If you saturate the color by 10%, you get **71.6492, 83.4476, 106.9384**, and if you desaturate by 10%, it is **88.8578, 95.7409, 108.4043**.

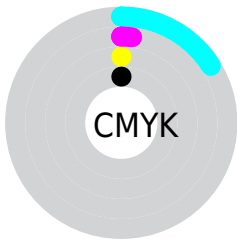
# Distribution



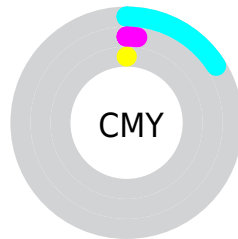
- Red (84%)
- Green (98%)
- Blue (100%)



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



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6572, 89.2675, 107.6397 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 79.6572, 89.2675, 107.6397 by changing the saturation by 10% instead.



79.6572, 89.2675,  
107.6397

79.6572, 89.2675,  
107.6397

482.5310,  
525.6452, 605.8730

59.7438, 67.3733,  
82.0436

131.8367,  
146.3205, 173.7600

43.4608, 49.3880,  
60.8654

164.8336,  
182.2481, 215.1213

30.4429, 34.9274,  
43.6867

202.9222,  
223.6222, 262.5748

20.3248, 23.6070,  
30.0889

246.4681,  
270.8273, 316.5389

12.7410, 15.0423,  
19.6535

295.8366,  
324.2477, 377.4322

7.3262, 8.8491,  
11.9618

351.3930,

3.7151, 4.6429,

384.2679, 445.6733

6.5955

413.5027,  
451.2723, 521.6807

■ 1.5422, 2.0393,  
3.1358

■ 0.3543, 0.6302,  
1.1644

■ 79.6572, 89.2675,  
107.6397

■ 79.6572, 89.2675,  
107.6397

■ 71.6492, 83.4476,  
106.9384

■ 88.8578, 95.7409,  
108.4043

■ 64.7725, 78.2422,  
106.2961

95.0500, 100.0000,  
108.9000

■ 58.9710, 73.6248,  
105.7106

■ 54.1810, 69.5621,  
105.1789

■ 50.3318, 66.0176,  
104.6976

■ 47.3435, 62.9499,  
104.2630

■ 45.1225, 60.3105,  
103.8706

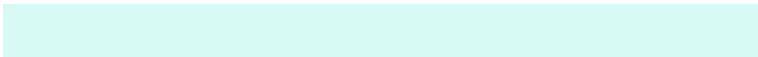
■ 43.5526, 58.0394,  
103.5150

■ 43.0471, 57.2142,  
103.3824

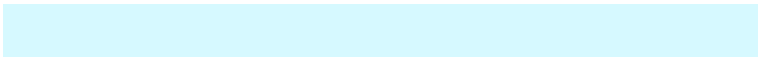
# Harmonies

## Analogous

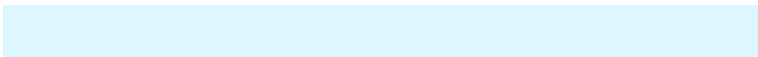
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6532, 89.2675, 98.3523



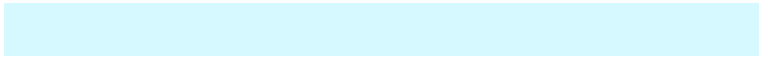
79.6572, 89.2675, 107.6397



82.0503, 89.2675, 114.4530

# Triad

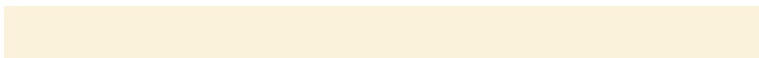
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6572, 89.2675, 107.6397



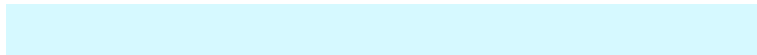
90.6748, 89.2675, 105.5206



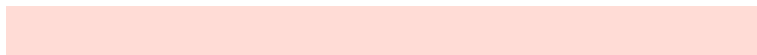
84.4450, 89.2675, 80.1218

# Complementary

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



79.6572, 89.2675, 107.6397



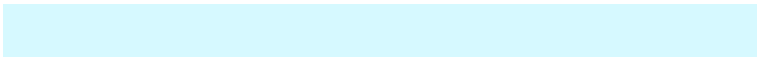
78.9703, 77.3000, 74.3781

# 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.



87.7047, 89.2675, 81.7692



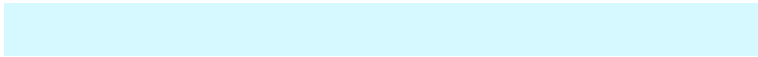
79.6572, 89.2675, 107.6397



91.3558, 89.2675, 96.0511

# Square

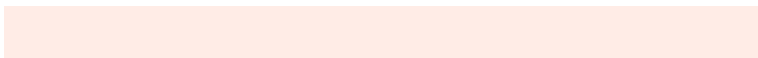
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6572, 89.2675, 107.6397



88.4180, 89.2675, 113.1747



90.2555, 89.2675, 87.4528

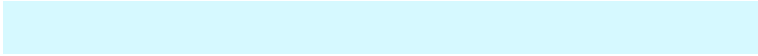


81.3717, 89.2675, 82.7989

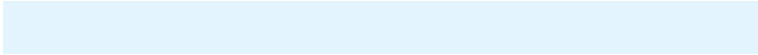


# Rectangle

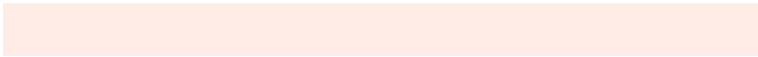
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6572, 89.2675, 107.6397



84.1410, 89.2675, 116.4546



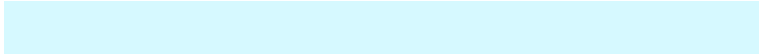
90.2555, 89.2675, 87.4528



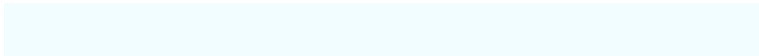
85.5551, 89.2675, 80.1890

# Sweetspot

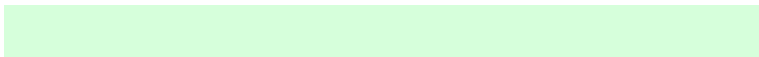
The Sweet Spot groups the original color and five complimentary colors.



79.6595, 89.2711, 107.6403



89.9219, 96.4778, 108.4904



76.3402, 90.9557, 80.8744



19.0981, 20.5472, 23.2094



0.0000, 0.0000, 0.0000

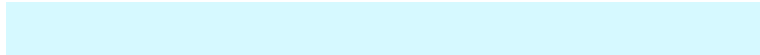


20.3446, 21.4041, 23.3091



# Same Dimension

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



79.6595, 89.2711, 107.6403



77.1980, 87.5035, 107.4288



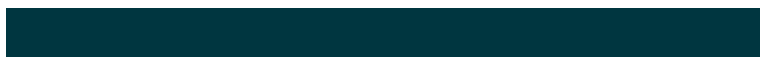
73.8112, 77.5744, 105.6908



18.3152, 20.0020, 23.1454



22.5794, 30.0683, 54.0483



2.2575, 3.0457, 5.2822



# Inverse Universe

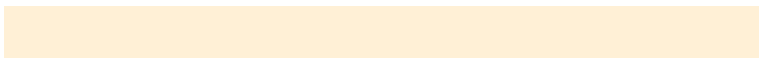
The Inverse Universe completely reimagines the original color for something new.



82.3869, 76.1942, 99.9915



80.3741, 72.4400, 98.4844



84.5284, 88.4162, 76.2308



18.6717, 18.2520, 22.1545



28.1852, 13.7634, 35.9554

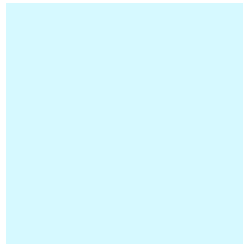


2.7741, 1.3520, 3.6578



# Previews

## White Background



This preview shows how the XYZ color 79.6572, 89.2675, 107.6397 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

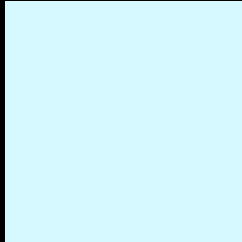
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6572, 89.2675, 107.6397 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

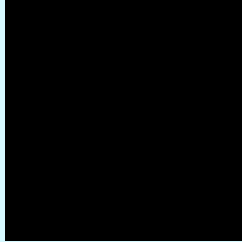
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.6572, 89.2675, 107.6397

## Background



This preview shows how black text looks on a background with the XYZ color 79.6572, 89.2675, 107.6397.



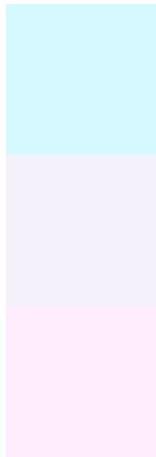
This preview shows how white text looks on a background with the XYZ color 79.6572, 89.2675,



# 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

79.6572, 89.2675, 107.6397

### Protanopia

86.0188, 89.0458, 103.0964

### Deuteranopia

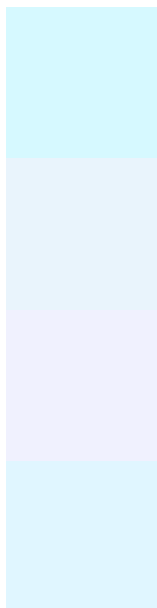
89.4136, 88.9841, 106.2290



## Tritanopia

83.3355, 89.3478, 107.4613

# Trichromacy



## Original Color

79.6572, 89.2675, 107.6397

## Protanomaly

83.5256, 89.0533, 104.8822

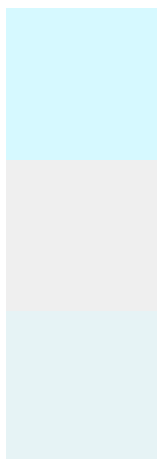
## Deuteranomaly

85.2799, 88.5916, 106.3711

## Tritanomaly

81.7462, 88.9788, 107.4739

# Monochromacy



## Original Color

79.6572, 89.2675, 107.6397

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.1651, 87.5168, 99.0008

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6572, 89.2675, 107.6397 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(214, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(214, 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(214, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6572, 89.2675, 107.6397 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(214, 249, 255) }
```



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

```
.border{ border-color:rgb(214, 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(214, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(214, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6572, 89.2675, 107.6397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 249, 255) }
```

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

```
.background{ background-color: rgb(214,  
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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