

# Converting Colors

XYZ(79.0961, 90.2364,  
107.8563)

Have a look what the booklet for  
XYZ(79.0961, 90.2364, 107.8563)  
contains.

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# Color

**XYZ(79.1549, 90.3961,  
107.8840)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1FCFF
RGB	209, 252, 255
RGB Percent	82%, 99%, 100%
CMY	0.1804, 0.0117, 0.0000
CMYK	0.18, 0.01, 0.00, 0.00
HSL	184°, 100%, 91%
HSV	184°, 18%, 100%
XYZ	79.1549, 90.3961, 107.8840
YIQ	239.4850, -26.5910, -8.1830

# Conversions

## Conversions Part 2

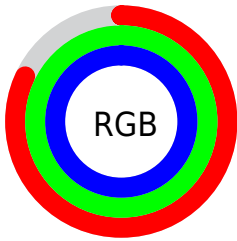
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 231, 255
Decimal	13761791
CIE Lab	96.16, -13.03, -6.01
CIE LCh	96, 14.352, 204.738
Yxy	90.3961, 0.2853, 0.3258
Android (android.graphics.Color)	4291951871 (0xFFD1FCFF)
YUV	239.4850, 7.6489, -26.7353
Hunter-Lab	95.0769, -17.7769, -0.7227

# Details

The XYZ color **79.1549, 90.3961, 107.8840** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2918, 72.9493, 70.3830**, and the grayscale version is **82.3811, 86.6713, 94.3851**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0346, 49.9775, 60.8045** is the 20% darker color. If you saturate the color by 10%, you get **71.9911, 85.9347, 107.4005**, and if you desaturate by 10%, it is **87.4827, 95.4691, 108.4243**.

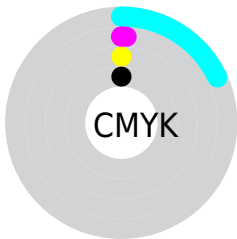
# Distribution



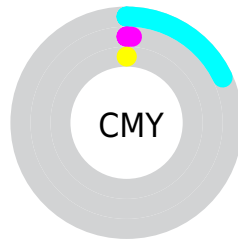
- Red (82%)
- Green (99%)
- Blue (100%)



- Red (82%)
- Yellow (91%)
- Blue (100%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (1%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1549, 90.3961, 107.8840 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 79.1549, 90.3961, 107.8840 by changing the saturation by 10% instead.



79.1549, 90.3961,  
107.8840

79.1549, 90.3961,  
107.8840

480.8602,  
529.3185, 606.6457

59.3292, 68.3092,  
82.2474

131.1337,  
147.8885, 174.0962

43.1256, 50.1493,  
61.0325

164.0175,  
184.0627, 215.5089

30.1786, 35.5321,  
43.8207

201.9848,  
225.7016, 263.0174

20.1230, 24.0730,  
30.1934

245.4009,  
273.1894, 317.0402

12.5932, 15.3878,  
19.7321

294.6311,  
326.9107, 377.9959

7.2241, 9.0920,  
12.0183

350.0408,

3.6502, 4.8012,

387.2496, 446.3031

6.6335

411.9954,  
454.5908, 522.3801

■ 1.5062, 2.1311,  
3.1590

■ 0.3301, 0.6820,  
1.1764

■ 79.1549, 90.3961,  
107.8840

■ 79.1549, 90.3961,  
107.8840

■ 71.9911, 85.9347,  
107.4005

■ 87.4827, 95.4691,  
108.4243

■ 65.9293, 82.0458,  
106.9693

95.0500, 100.0000,  
108.9000

■ 60.9127, 78.7025,  
106.5884

■ 56.8763, 75.8712,  
106.2546

■ 53.7481, 73.5147,  
105.9647

■ 51.4460, 71.5908,  
105.7147

■ 49.8731, 70.0495,  
105.5001

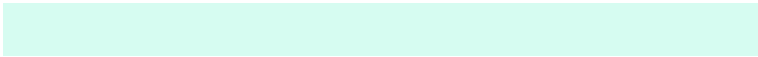
■ 48.8980, 68.8230,  
105.3147

■ 48.7402, 68.6004,  
105.2801

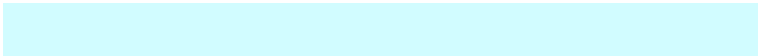
# Harmonies

## Analogous

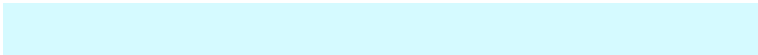
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5223, 90.3961, 96.4298



79.1549, 90.3961, 107.8840



81.5765, 90.3961, 117.4254

# Triad

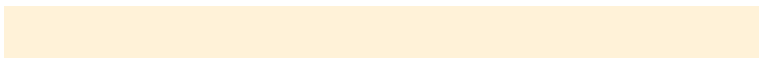
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.1549, 90.3961, 107.8840



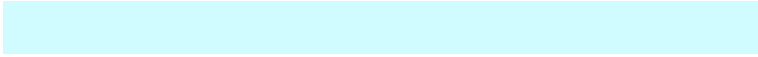
92.3192, 90.3961, 111.6272



86.6225, 90.3961, 78.1772

# Complementary

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



79.1549, 90.3961, 107.8840



76.2918, 72.9493, 70.3830

# 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.



90.4124, 90.3961, 81.5952



79.1549, 90.3961, 107.8840



93.7657, 90.3961, 100.4495

# Square

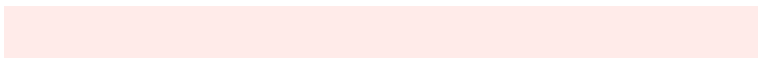
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1549, 90.3961, 107.8840



89.1607, 90.3961, 119.7007



93.0574, 90.3961, 89.5376

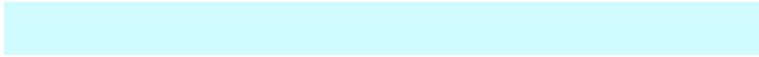


82.7564, 90.3961, 79.8343

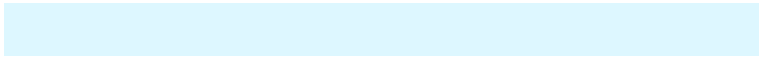


# Rectangle

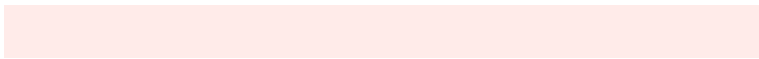
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.1549, 90.3961, 107.8840



83.9203, 90.3961, 121.1169



93.0574, 90.3961, 89.5376



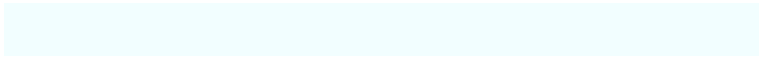
87.9488, 90.3961, 78.7624

# Sweetspot

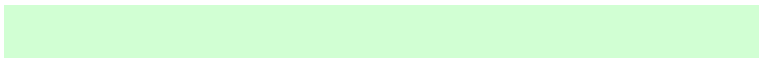
The Sweet Spot groups the original color and five complimentary colors.



79.1573, 90.3997, 107.8846



90.2496, 97.1330, 108.5996



73.8511, 89.7940, 75.2667



19.1780, 20.7070, 23.2360



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

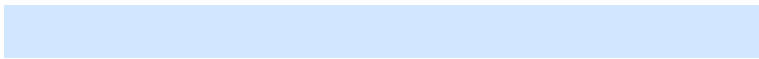
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1573, 90.3997, 107.8846



76.1824, 88.5600, 107.6863



72.5591, 77.2033, 105.6852



18.4476, 20.2669, 23.1896



25.5111, 35.9318, 55.0255



2.5133, 3.5572, 5.3674



# Inverse Universe

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



81.6126, 73.8908, 102.0606



79.1078, 69.0478, 100.7122



82.2576, 84.8809, 72.3715



18.7386, 18.2788, 22.5066



29.6650, 14.3553, 43.7479



2.9032, 1.4036, 4.3375



# Previews

## White Background



This preview shows how the XYZ color 79.1549, 90.3961, 107.8840 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

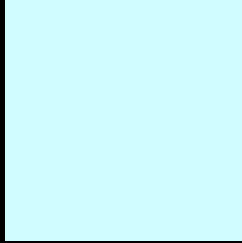
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.1549, 90.3961, 107.8840 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

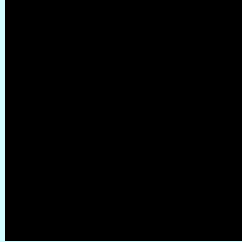
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.1549, 90.3961, 107.8840

## Background



This preview shows how black text looks on a background with the XYZ color 79.1549, 90.3961, 107.8840.



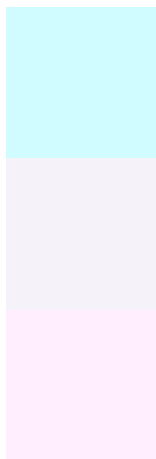
This preview shows how white text looks on a background with the XYZ color 79.1549, 90.3961,

107.8840.

# 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

79.1549, 90.3961, 107.8840

### Protanopia

86.8570, 89.9366, 102.4042

### Deuteranopia

89.9959, 90.1488, 106.4231



## Tritanopia

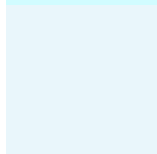
83.9608, 90.1205, 107.5775

# Trichromacy



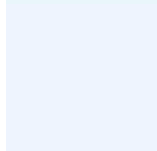
## Original Color

79.1549, 90.3961, 107.8840



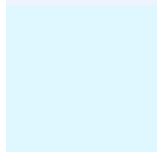
## Protanomaly

83.9726, 90.2002, 104.2513



## Deuteranomaly

85.5000, 90.0343, 106.6380



## Tritanomaly

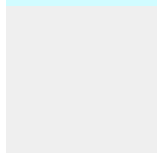
82.0488, 90.0428, 107.6633

# Monochromacy



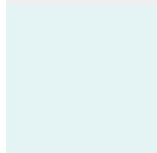
## Original Color

79.1549, 90.3961, 107.8840



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

80.8270, 87.7879, 99.0709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.1549, 90.3961, 107.8840 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 252, 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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.1549, 90.3961, 107.8840 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, 252, 255) }
```



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

```
.border{ border-color:rgb(209, 252, 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, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.1549, 90.3961, 107.8840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 252, 255) }
```

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

```
.background{ background-color: rgb(209,  
252, 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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