

# Converting Colors

XYZ(77.7319, 90.6504,  
108.0081)

Have a look what the booklet for  
XYZ(77.7319, 90.6504, 108.0081)  
contains.

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# Color

**XYZ(77.5792, 90.5211,  
107.9912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FEFF
RGB	201, 254, 255
RGB Percent	79%, 100%, 100%
CMY	0.2118, 0.0039, 0.0000
CMYK	0.21, 0.00, 0.00, 0.00
HSL	181°, 100%, 89%
HSV	181°, 21%, 100%
XYZ	77.5792, 90.5211, 107.9912
YIQ	238.2670, -31.9090, -10.9250

# Conversions

## Conversions Part 2

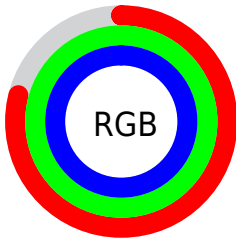
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 228, 255
Decimal	13238015
CIE Lab	96.21, -16.40, -5.98
CIE LCh	96, 17.457, 200.042
Yxy	90.5211, 0.2810, 0.3279
Android (android.graphics.Color)	4291428095 (0xFFC9FEFF)
YUV	238.2670, 8.2494, -32.6832
Hunter-Lab	95.1426, -20.9507, -0.6971

# Details

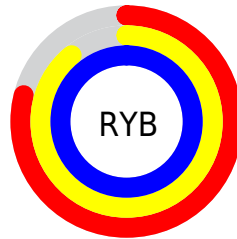
The XYZ color **77.5792, 90.5211, 107.9912** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.9030, 67.7172, 64.4884**, and the grayscale version is **81.4326, 85.6734, 93.2984**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0134, 50.1207, 60.8860** is the 20% darker color. If you saturate the color by 10%, you get **71.1367, 86.9811, 107.6475**, and if you desaturate by 10%, it is **85.1647, 94.6556, 108.3894**.

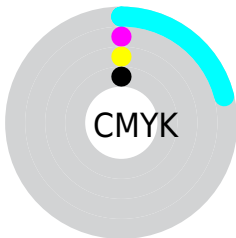
# Distribution



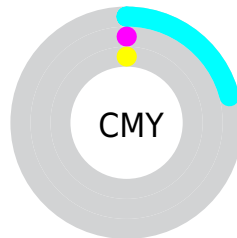
- Red (79%)
- Green (100%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5792, 90.5211, 107.9912 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 77.5792, 90.5211, 107.9912 by changing the saturation by 10% instead.



77.5792, 90.5211,  
107.9912

77.5792, 90.5211,  
107.9912

475.5983,  
529.7245, 606.9847

58.0300, 68.4129,  
82.3369

128.9253,  
148.0620, 174.2437

42.0761, 50.2337,  
61.1058

161.4528,  
184.2635, 215.6789

29.3522, 35.5992,  
43.8795

199.0371,  
225.9316, 263.2116

19.4931, 24.1248,  
30.2393

242.0436,  
273.4507, 317.2601

12.1332, 15.4262,  
19.7667

290.8376,  
327.2051, 378.2432

6.9073, 9.1191,  
12.0432

345.7845,

3.4500, 4.8189,

387.5793, 446.5793

6.6502

407.2496,  
454.9576, 522.6869

■ 1.3960, 2.1414,  
3.1692

■ 0.2533, 0.6878,  
1.1817

■ 77.5792, 90.5211,  
107.9912

■ 77.5792, 90.5211,  
107.9912

■ 71.1367, 86.9811,  
107.6475

■ 85.1647, 94.6556,  
108.3894

■ 65.7741, 83.9960,  
107.3539

■ 93.9383, 99.4007,  
108.8429

■ 61.4327, 81.5379,  
107.1083

■ 95.0500, 100.0000,  
108.9000

■ 58.0457, 79.5724,  
106.9074

■ 55.5382, 78.0608,  
106.7478

■ 53.8242, 76.9588,  
106.6254

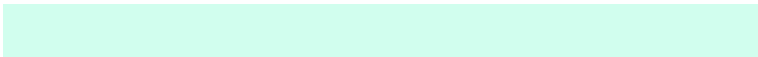
■ 52.8005, 76.2132,  
106.5355

■ 52.3292, 75.7785,  
106.4764

# Harmonies

## Analogous

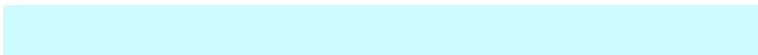
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.1843, 90.5211, 94.0199



77.5792, 90.5211, 107.9912



80.1923, 90.5211, 120.4598

# Triad

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



77.5792, 90.5211, 107.9912



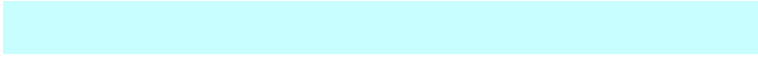
93.3778, 90.5211, 116.7089



87.6587, 90.5211, 74.5501

# Complementary

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



77.5792, 90.5211, 107.9912



72.9030, 67.7172, 64.4884

# 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.



92.1603, 90.5211, 79.4932



77.5792, 90.5211, 107.9912



95.5432, 90.5211, 103.2482

# Square

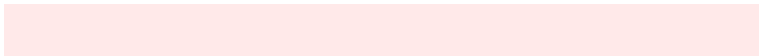
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5792, 90.5211, 107.9912



89.2699, 90.5211, 125.8112



95.0895, 90.5211, 89.6985



82.8843, 90.5211, 75.5622

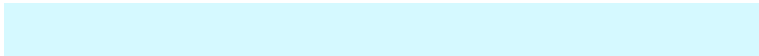


# Rectangle

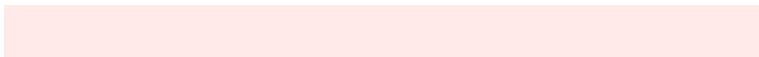
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5792, 90.5211, 107.9912



82.8968, 90.5211, 125.8269



95.0895, 90.5211, 89.6985



89.2568, 90.5211, 75.5511

# Sweetspot

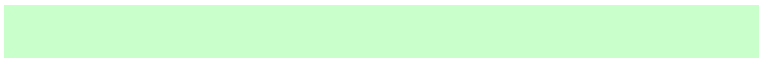
The Sweet Spot groups the original color and five complimentary colors.



77.5816, 90.5247, 107.9918



89.5535, 97.0330, 108.6170



70.4973, 88.1976, 69.1250



19.0458, 20.7029, 23.2422



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

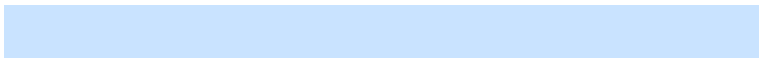
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5816, 90.5247, 107.9918



74.9852, 89.1016, 107.8539



69.6350, 74.6316, 105.3429



18.5245, 20.4206, 23.2152



27.3562, 39.6220, 55.6406



2.6724, 3.8755, 5.4205



# Inverse Universe

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



80.0175, 70.1907, 103.1009



77.7868, 65.7753, 102.2154



79.7750, 81.4612, 66.7791



18.7774, 18.2943, 22.7108



30.5963, 14.7278, 48.6523

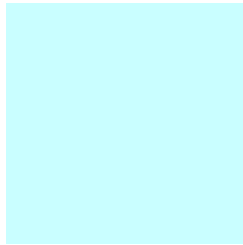


2.9835, 1.4358, 4.7605



# Previews

## White Background



This preview shows how the XYZ color 77.5792, 90.5211, 107.9912 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

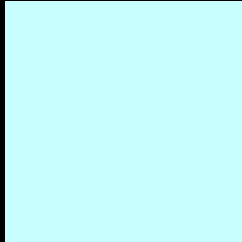
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.5792, 90.5211, 107.9912 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

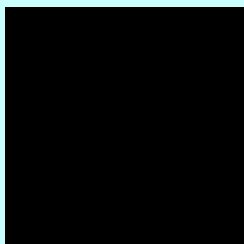
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

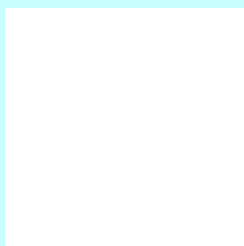
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.5792, 90.5211, 107.9912

## Background



This preview shows how black text looks on a background with the XYZ color 77.5792, 90.5211, 107.9912.



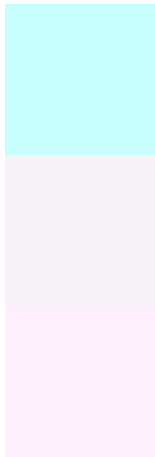
This preview shows how white text looks on a background with the XYZ color 77.5792, 90.5211,

107.9912.

# 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

77.5792, 90.5211, 107.9912

### Protanopia

86.7014, 89.8744, 101.5848

### Deuteranopia

89.9959, 90.1488, 106.4231



## Tritanopia

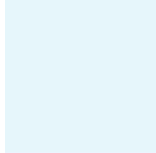
83.6239, 90.3995, 107.6491

# Trichromacy



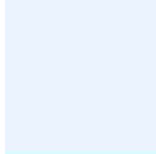
## Original Color

77.5792, 90.5211, 107.9912



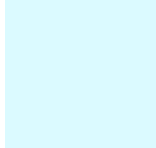
## Protanomaly

83.0015, 89.6996, 104.2059



## Deuteranomaly

84.5010, 89.5193, 106.5912



## Tritanomaly

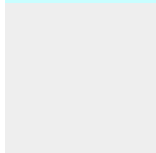
81.4490, 90.6513, 107.8124

# Monochromacy



## Original Color

77.5792, 90.5211, 107.9912



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.7312, 87.2406, 98.2248

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.5792, 90.5211, 107.9912 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(201, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 254, 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(201, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.5792, 90.5211, 107.9912 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(201, 254, 255) }
```



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

```
.border{ border-color:rgb(201, 254, 255) }
```

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

Here you see how a box with a 4 pixel rgb(201, 254, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.5792, 90.5211, 107.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 254, 255) }
```

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

```
.background{ background-color: rgb(201,  
254, 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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