

# Converting Colors

XYZ(77.0080, 90.8959, 99.1633)

Have a look what the booklet for  
XYZ(77.0080, 90.8959, 99.1633)  
contains.

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# **Color**

**XYZ(76.9910, 90.8890,  
99.0734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFF4
RGB	204, 255, 244
RGB Percent	80%, 100%, 96%
CMY	0.2000, 0.0000, 0.0431
CMYK	0.20, 0.00, 0.04, 0.00
HSL	167°, 100%, 90%
HSV	167°, 20%, 100%
XYZ	76.9910, 90.8890, 99.0734
YIQ	238.4970, -26.8650, -14.2330

# Conversions

## Conversions Part 2

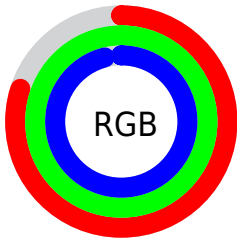
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 233, 255
Decimal	13434868
CIE <sub>Lab</sub>	96.36, -18.24, -0.07
CIE <sub>LCh</sub>	96, 18.238, 180.227
Yxy	90.8890, 0.2884, 0.3405
Android (android.graphics.Color)	4291624948 (0xFFCCFF4)
YUV	238.4970, 2.7130, -30.2539
Hunter-Lab	95.3357, -22.6849, 5.1205

# Details

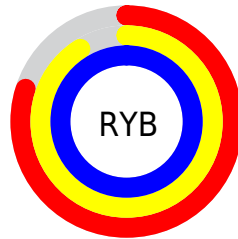
The XYZ color **76.9910, 90.8890, 99.0734** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.0993, 69.3533, 73.7189**, and the grayscale version is **81.6475, 85.8996, 93.5446**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6656, 50.4086, 55.1108** is the 20% darker color. If you saturate the color by 10%, you get **69.7422, 87.2472, 94.4410**, and if you desaturate by 10%, it is **85.4109, 95.1317, 103.8935**.

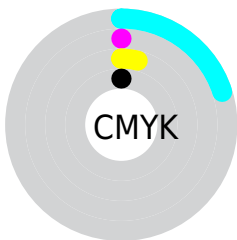
# Distribution



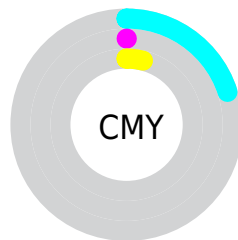
- Red (80%)
- Green (100%)
- Blue (96%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9910, 90.8890, 99.0734 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 76.9910, 90.8890, 99.0734 by changing the saturation by 10% instead.



76.9910, 90.8890,  
99.0734

76.9910, 90.8890,  
99.0734

473.6258,  
530.9185, 578.4391

57.5454, 68.7182,  
74.9144

128.0997,  
148.5726, 161.9240

41.6851, 50.4823,  
55.0414

160.4935,  
184.8543, 201.4526

29.0448, 35.7967,  
39.0361

197.9340,  
226.6083, 246.9415

19.2592, 24.2773,  
26.4797

240.7867,  
274.2192, 298.8092

11.9628, 15.5394,  
16.9539

289.4169,  
328.0712, 357.4743

6.7904, 9.1988,  
10.0400

344.1898,

3.3765, 4.8711,

388.5489, 423.3553

5.3195

405.4710,  
456.0365, 496.8707

■ 1.3559, 2.1718,  
2.3739

■ 0.2244, 0.7046,  
0.7722

■ 76.9910, 90.8890,  
99.0734

■ 76.9910, 90.8890,  
99.0734

■ 69.7422, 87.2472,  
94.4410

■ 85.4109, 95.1317,  
103.8935

■ 63.6058, 84.1759,  
89.9883

95.0500, 100.0000,  
108.9000

■ 58.5222, 81.6446,  
85.7126

■ 54.4252, 79.6191,  
81.6097

■ 51.2406, 78.0612,  
77.6751

■ 48.8839, 76.9273,  
73.9036

■ 47.2541, 76.1654,  
70.2893

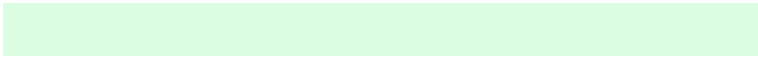
■ 46.1861, 75.6905,  
66.8232

■ 46.1860, 75.6904,  
66.8228

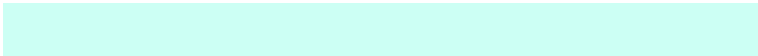
# Harmonies

## Analogous

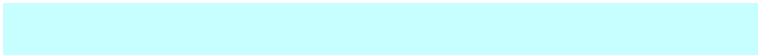
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1901, 90.8890, 85.7225



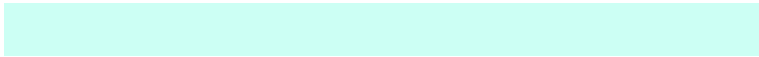
76.9910, 90.8890, 99.0734



78.2263, 90.8890, 113.7107

# Triad

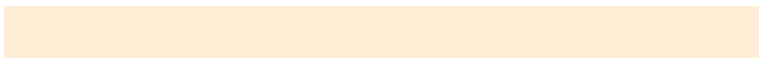
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9910, 90.8890, 99.0734



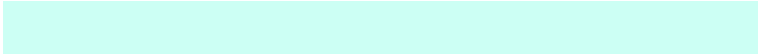
91.3940, 90.8890, 125.1299



91.3246, 90.8890, 76.6308

# Complementary

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



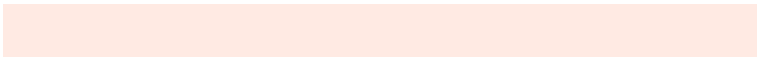
76.9910, 90.8890, 99.0734



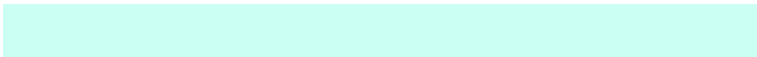
75.0993, 69.3533, 73.7189

# 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.



95.0970, 90.8890, 85.5484



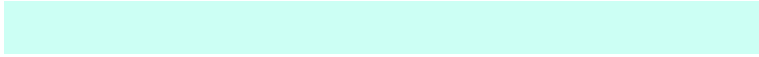
76.9910, 90.8890, 99.0734



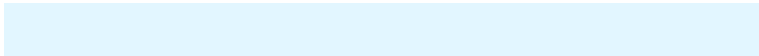
95.1382, 90.8890, 113.5005

# Square

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



76.9910, 90.8890, 99.0734



86.4259, 90.8890, 129.6259



96.5185, 90.8890, 98.8520

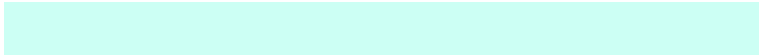


86.3486, 90.8890, 73.5618



# Rectangle

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



76.9910, 90.8890, 99.0734



80.2930, 90.8890, 122.0362



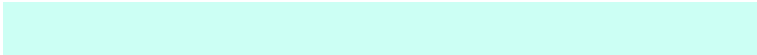
96.5185, 90.8890, 98.8520



92.7823, 90.8890, 78.9978

# Sweetspot

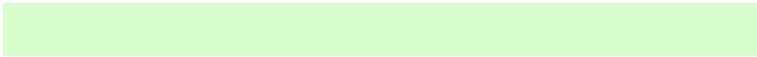
The Sweet Spot groups the original color and five complimentary colors.



76.9920, 90.8895, 99.0749



89.1166, 97.0021, 105.8730



74.6990, 90.3347, 70.6277



18.9422, 20.6956, 22.5915



0.0000, 0.0000, 0.0000

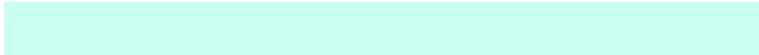


20.3446, 21.4041, 23.3091

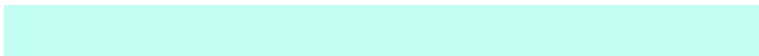


# Same Dimension

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



76.9920, 90.8895, 99.0749



73.9540, 89.3618, 97.1989



74.2750, 82.7027, 106.6562



18.3772, 20.4104, 22.2895



24.1908, 39.5729, 35.2195



2.3951, 3.8690, 3.6383



# Inverse Universe

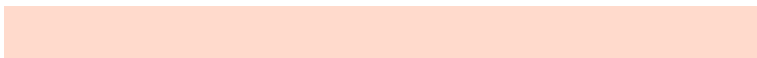
The Inverse Universe completely reimagines the original color for something new.



75.0993, 69.3533, 73.7189



71.7496, 64.2595, 67.6523



77.3281, 75.9973, 67.7217



18.1697, 18.0512, 19.5107



21.9533, 11.2706, 3.1387

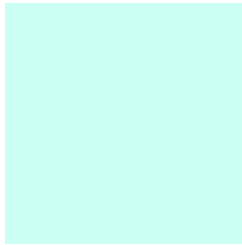


2.1757, 1.1127, 0.5067



# Previews

## White Background



This preview shows how the XYZ color 76.9910, 90.8890, 99.0734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

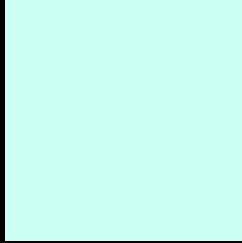
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9910, 90.8890, 99.0734 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 76.9910, 90.8890, 99.0734

## Background



This preview shows how black text looks on a background with the XYZ color 76.9910, 90.8890, 99.0734.



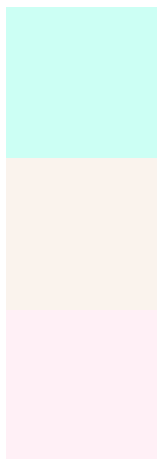
This preview shows how white text looks on a background with the XYZ color 76.9910, 90.8890,

99.0734.

# 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

76.9910, 90.8890, 99.0734

### Protanopia

86.7610, 90.5396, 93.0239

### Deuteranopia

89.0346, 90.2340, 99.9131



## **Tritanopia**

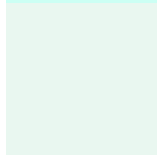
84.2658, 90.7305, 107.6792

# Trichromacy



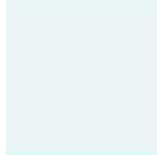
## Original Color

76.9910, 90.8890, 99.0734



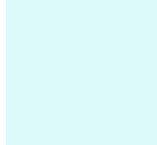
## Protanomaly

82.5932, 90.1364, 95.4830



## Deuteranomaly

83.7259, 89.7303, 99.2930



## Tritanomaly

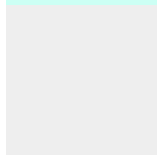
81.4170, 90.7084, 104.4841

# Monochromacy



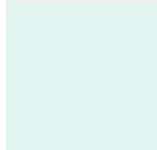
## Original Color

76.9910, 90.8890, 99.0734



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.4429, 87.1614, 95.0748

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9910, 90.8890, 99.0734 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(204, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 244)  
}
```

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(204, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9910, 90.8890, 99.0734 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(204, 255, 244) }
```



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

```
.border{ border-color:rgb(204, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(204, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9910, 90.8890, 99.0734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 244) }
```

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

```
.background{ background-color: rgb(204,  
255, 244) }
```

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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