

# Converting Colors

XYZ(76.8162, 90.3822, 98.2759)

Have a look what the booklet for  
XYZ(76.8162, 90.3822, 98.2759)  
contains.

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# **Color**

**XYZ(76.7963, 90.3338,  
98.1826)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDFEF3
RGB	205, 254, 243
RGB Percent	80%, 100%, 95%
CMY	0.1961, 0.0039, 0.0471
CMYK	0.19, 0.00, 0.04, 0.00
HSL	167°, 96%, 90%
HSV	167°, 19%, 100%
XYZ	76.7963, 90.3338, 98.1826
YIQ	238.0950, -25.6730, -13.8090

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 233, 254
Decimal	13500147
CIE Lab	96.14, -17.64, 0.12
CIE LCh	96, 17.644, 179.626
Yxy	90.3338, 0.2895, 0.3405
Android (android.graphics.Color)	4291690227 (0xFFCDFEF3)
YUV	238.0950, 2.4182, -29.0243
Hunter-Lab	95.0441, -22.0979, 5.2830

# Details

The XYZ color **76.7963, 90.3338, 98.1826** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1022, 69.6937, 74.4635**, and the grayscale version is **81.3398, 85.5758, 93.1920**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.5136, 50.0044, 54.4775** is the 20% darker color. If you saturate the color by 10%, you get **69.5030, 86.6743, 93.4161**, and if you desaturate by 10%, it is **85.2590, 94.5978, 103.1474**.

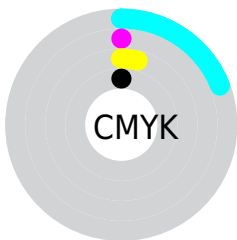
# Distribution



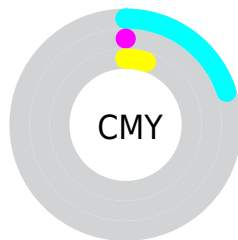
- Red (80%)
- Green (100%)
- Blue (95%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7963, 90.3338, 98.1826 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 76.7963, 90.3338, 98.1826 by changing the saturation by 10% instead.



76.7963, 90.3338,  
98.1826

76.7963, 90.3338,  
98.1826

472.9718,  
529.1161, 575.5469

57.3850, 68.2575,  
74.1752

127.8263,  
147.8020, 160.6874

41.5558, 50.1073,  
54.4398

160.1757,  
183.9627, 200.0220

28.9432, 35.4986,  
38.5578

197.5686,  
225.5869, 245.3026

19.1819, 24.0472,  
26.1107

240.3702,  
273.0592, 296.9480

11.9066, 15.3687,  
16.6800

288.9460,  
326.7639, 355.3765

6.7519, 9.0785,  
9.8471

343.6613,

3.3523, 4.7924,

387.0853, 421.0069

5.1934

404.8815,  
454.4079, 494.2575

■ 1.3427, 2.1260,  
2.3005

■ 0.2148, 0.6792,  
0.7315

■ 76.7963, 90.3338,  
98.1826

■ 76.7963, 90.3338,  
98.1826

■ 69.5030, 86.6743,  
93.4161

■ 85.2590, 94.5978,  
103.1474

■ 63.3162, 83.5799,  
88.8379

94.6384, 99.3289,  
108.2941

■ 58.1790, 81.0234,  
84.4460

94.7334, 99.3669,  
108.7945

■ 54.0261, 78.9714,  
80.2360

■ 50.7848, 77.3864,  
76.2034

■ 48.3721, 76.2255,  
72.3427

■ 46.6894, 75.4381,  
68.6482

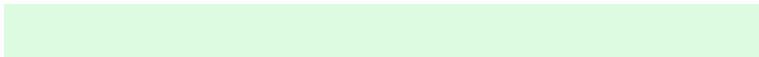
■ 45.5869, 74.9469,  
65.1114

■ 45.5180, 74.9167,  
64.8664

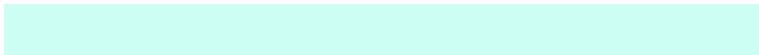
# Harmonies

## Analogous

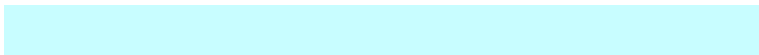
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0004, 90.3338, 85.3609



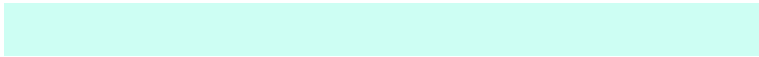
76.7963, 90.3338, 98.1826



77.9429, 90.3338, 112.2793

# Triad

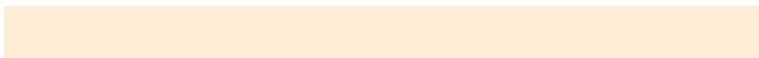
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.7963, 90.3338, 98.1826



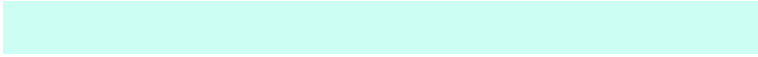
90.5920, 90.3338, 123.6719



90.7021, 90.3338, 76.9072

# Complementary

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



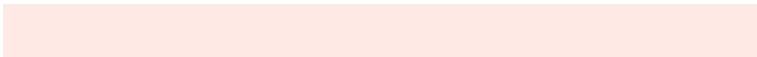
76.7963, 90.3338, 98.1826



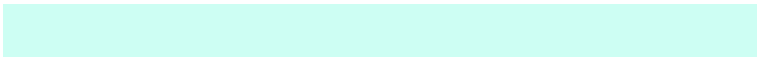
75.1022, 69.6937, 74.4635

# 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.



94.2950, 90.3338, 85.6380



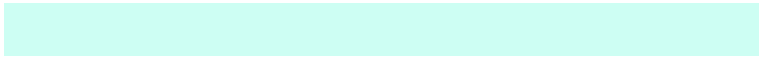
76.7963, 90.3338, 98.1826



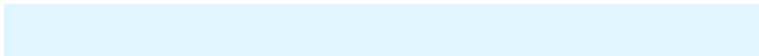
94.2297, 90.3338, 112.6120

# Square

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



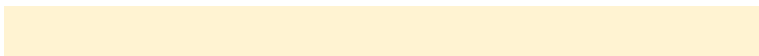
76.7963, 90.3338, 98.1826



85.7982, 90.3338, 127.8177



95.6093, 90.3338, 98.5339

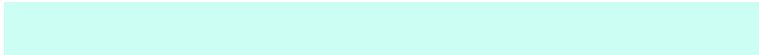


85.9209, 90.3338, 73.8132



# Rectangle

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



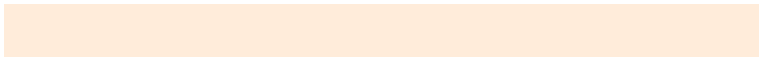
76.7963, 90.3338, 98.1826



79.9118, 90.3338, 120.3322



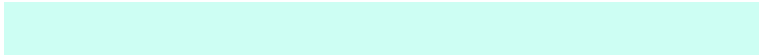
95.6093, 90.3338, 98.5339



92.0954, 90.3338, 79.2366

# Sweetspot

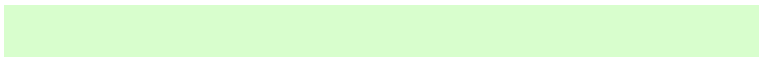
The Sweet Spot groups the original color and five complimentary colors.



76.7989, 90.3375, 98.1846



89.0951, 96.9935, 105.7598



74.9112, 89.9603, 71.1749



18.9371, 20.6935, 22.5647



0.0000, 0.0000, 0.0000

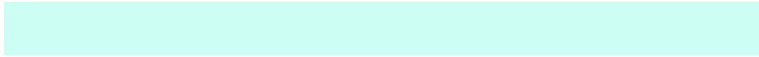


20.3446, 21.4041, 23.3091

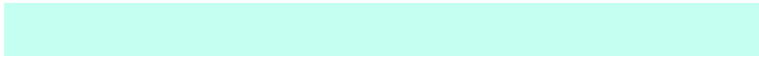


# Same Dimension

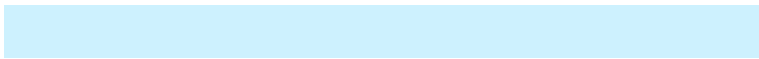
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7989, 90.3375, 98.1846



74.6177, 89.7034, 97.2527



74.5046, 83.0093, 105.8658



18.3700, 20.4075, 22.2515



24.0549, 39.5186, 34.5041



2.3829, 3.8641, 3.5744



# Inverse Universe

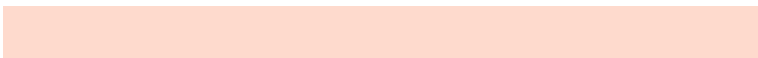
The Inverse Universe completely reimagines the original color for something new.



75.1022, 69.6937, 74.4635



72.6320, 65.5272, 69.4793



76.9842, 75.6587, 68.3052



18.1764, 18.0539, 19.5459



21.9838, 11.2828, 3.2993

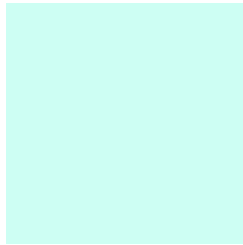


2.1795, 1.1142, 0.5269



# Previews

## White Background



This preview shows how the XYZ color 76.7963, 90.3338, 98.1826 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

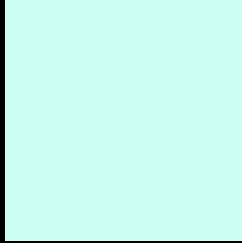
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7963, 90.3338, 98.1826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

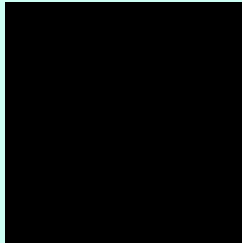
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

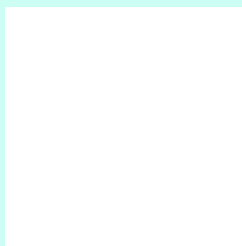
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.7963, 90.3338, 98.1826**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7963, 90.3338, 98.1826.



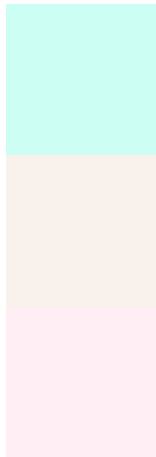
This preview shows how white text looks on a background with the XYZ color 76.7963, 90.3338,

98.1826.

# 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

76.7963, 90.3338, 98.1826

### Protanopia

85.9594, 89.7001, 92.1402

### Deuteranopia

88.5879, 89.5856, 99.0089



## Tritanopia

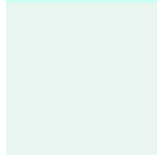
83.6389, 89.9545, 107.5625

# Trichromacy



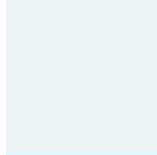
## Original Color

76.7963, 90.3338, 98.1826



## Protanomaly

82.1400, 89.4672, 94.6010



## Deuteranomaly

83.6049, 89.2375, 98.4061



## Tritanomaly

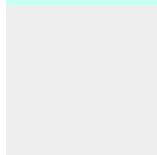
81.1071, 90.0886, 104.3808

# Monochromacy



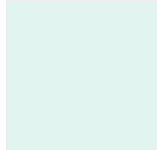
## Original Color

76.7963, 90.3338, 98.1826



## 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 76.7963, 90.3338, 98.1826 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(205, 254, 243)` looks like.

```
.text, #text, p{  
    color:rgb(205, 254, 243)  
}
```

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(205, 254, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 254, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7963, 90.3338, 98.1826 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(205, 254, 243) }
```



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

```
.border{ border-color:rgb(205, 254, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 254, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 254, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 254, 243);  
box-shadow:4px 4px 4px 4px rgb(205, 254,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7963, 90.3338, 98.1826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 254, 243) }
```

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

```
.background{ background-color: rgb(205,  
254, 243) }
```

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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