

# Converting Colors

XYZ(76.2156, 90.0078, 98.1132)

Have a look what the booklet for  
XYZ(76.2156, 90.0078, 98.1132)  
contains.

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# Color

**XYZ(76.2481, 90.0512,  
98.1569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBFEF3
RGB	203, 254, 243
RGB Percent	80%, 100%, 95%
CMY	0.2039, 0.0039, 0.0471
CMYK	0.20, 0.00, 0.04, 0.00
HSL	167°, 96%, 90%
HSV	167°, 20%, 100%
XYZ	76.2481, 90.0512, 98.1569
YIQ	237.4970, -26.8650, -14.2330

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 232, 254
Decimal	13369075
CIE <sub>Lab</sub>	96.02, -18.25, -0.07
CIE <sub>LCh</sub>	96, 18.250, 180.219
Y <sub>xy</sub>	90.0512, 0.2883, 0.3405
Android (android.graphics.Color)	4291559155 (0xFFCBBFEF3)
YUV	237.4970, 2.7130, -30.2539
Hunter-Lab	94.8953, -22.6426, 5.0989

# Details

The XYZ color **76.2481, 90.0512, 98.1569** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.3698, 68.6402, 72.9515**, and the grayscale version is **80.8760, 85.0878, 92.6607**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1486, 49.8163, 54.4604** is the 20% darker color. If you saturate the color by 10%, you get **69.0748, 86.4498, 93.5669**, and if you desaturate by 10%, it is **84.5845, 94.2541, 102.9341**.

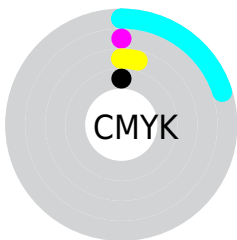
# Distribution



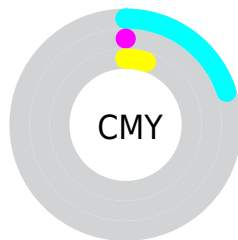
- Red (80%)
- Green (100%)
- Blue (95%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2481, 90.0512, 98.1569 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 76.2481, 90.0512, 98.1569 by changing the saturation by 10% instead.




 76.2481, 90.0512,  
98.1569

 76.2481, 90.0512,  
98.1569


471.1279,  
528.1974, 575.4633

 56.9337, 68.0231,  
74.1539

127.0560,  
147.4095, 160.6517

 41.1920, 49.9165,  
54.4225


159.2803,  
183.5085, 199.9807

 28.6575, 35.3471,  
38.5440


196.5386,  
225.0666, 245.2553

 18.9648, 23.9304,  
26.1001

239.1963,  
272.4682, 296.8942

 11.7487, 15.2820,  
16.6721

287.6187,  
326.0977, 355.3160

 6.6438, 9.0175,  
9.8415

342.1712,

 3.2847, 4.7526,

386.3395, 420.9390

5.1898

403.2192,  
453.5779, 494.1820

■ 1.3060, 2.1029,  
2.2984

■ 0.1877, 0.6662,  
0.7303

■ 76.2481, 90.0512,  
98.1569

■ 76.2481, 90.0512,  
98.1569

■ 69.0748, 86.4498,  
93.5669

■ 84.5845, 94.2541,  
102.9341

■ 63.0015, 83.4103,  
89.1544

■ 94.1279, 99.0740,  
107.8959

■ 57.9710, 80.9055,  
84.9174

■ 94.7334, 99.3669,  
108.7945

■ 53.9173, 78.9016,  
80.8517

■ 50.7672, 77.3607,  
76.9527

■ 48.4367, 76.2396,  
73.2154

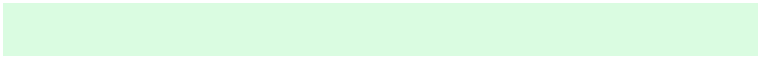
■ 46.8256, 75.4866,  
69.6338

■ 45.7762, 75.0200,  
66.2258

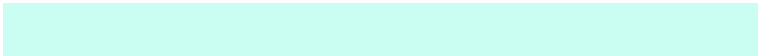
# Harmonies

## Analogous

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



77.4409, 90.0512, 84.8831



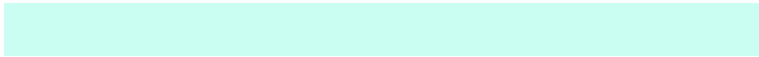
76.2481, 90.0512, 98.1569



77.4756, 90.0512, 112.7158

# Triad

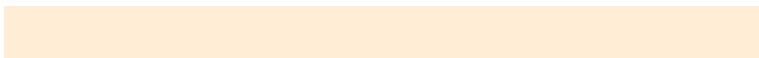
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2481, 90.0512, 98.1569



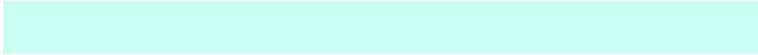
90.5692, 90.0512, 124.0825



90.5024, 90.0512, 75.8508

# Complementary

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



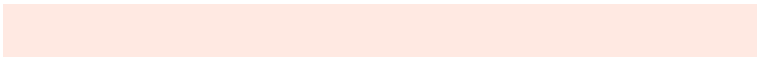
76.2481, 90.0512, 98.1569



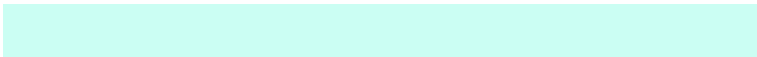
74.3698, 68.6402, 72.9515

# 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.



94.2541, 90.0512, 84.7158



76.2481, 90.0512, 98.1569



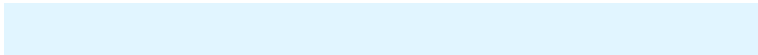
94.2937, 90.0512, 112.5136

# Square

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



76.2481, 90.0512, 98.1569



85.6281, 90.0512, 128.5541



95.6675, 90.0512, 97.9441



85.5538, 90.0512, 72.7995



# Rectangle

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



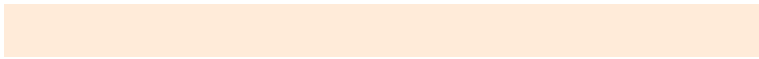
76.2481, 90.0512, 98.1569



79.5301, 90.0512, 120.9994



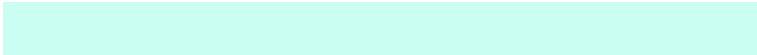
95.6675, 90.0512, 97.9441



91.9522, 90.0512, 78.2037

# Sweetspot

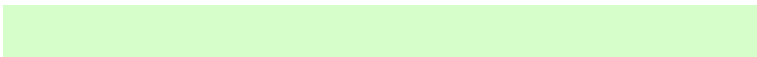
The Sweet Spot groups the original color and five complimentary colors.



76.2507, 90.0549, 98.1589



89.1164, 97.0020, 105.8720



73.9703, 89.5029, 69.8786



18.9421, 20.6956, 22.5913



0.0000, 0.0000, 0.0000

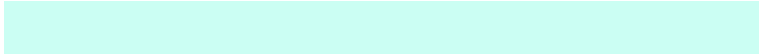


20.3446, 21.4041, 23.3091

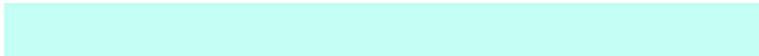


# Same Dimension

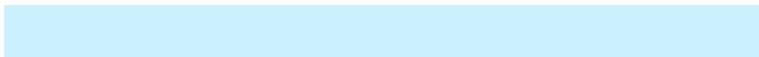
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2507, 90.0549, 98.1589



73.9533, 89.3615, 97.1951



73.5486, 81.9111, 105.7042



18.3772, 20.4104, 22.2892



24.1895, 39.5724, 35.2130



2.3950, 3.8689, 3.6378



# Inverse Universe

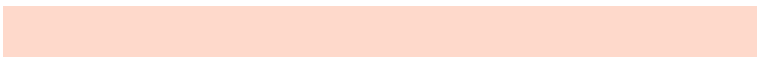
The Inverse Universe completely reimagines the original color for something new.



74.3698, 68.6402, 72.9515



71.7502, 64.2598, 67.6554



76.5846, 75.2434, 66.9885



18.1697, 18.0512, 19.5110



21.9536, 11.2707, 3.1401

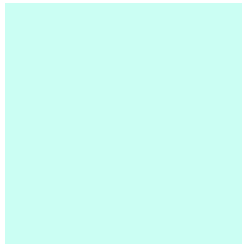


2.1757, 1.1127, 0.5068



# Previews

## White Background



This preview shows how the XYZ color 76.2481, 90.0512, 98.1569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

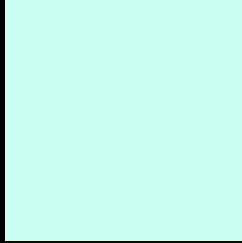
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2481, 90.0512, 98.1569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

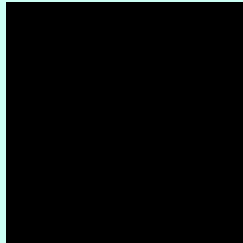
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

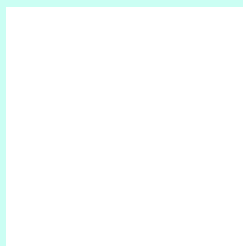
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.2481, 90.0512, 98.1569**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2481, 90.0512, 98.1569.



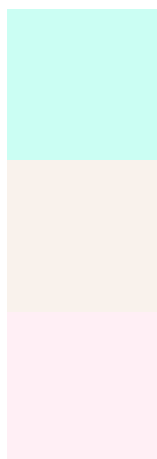
This preview shows how white text looks on a background with the XYZ color 76.2481, 90.0512,

98.1569.

# 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

76.2481, 90.0512, 98.1569

### Protanopia

85.9594, 89.7001, 92.1402

### Deuteranopia

88.5879, 89.5856, 99.0089



## Tritanopia

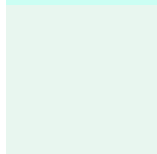
83.3189, 89.7895, 107.5475

# Trichromacy



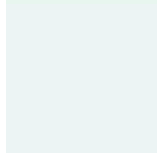
## Original Color

76.2481, 90.0512, 98.1569



## Protanomaly

81.8145, 89.2993, 94.5858



## Deuteranomaly

83.2719, 89.0659, 98.3905



## Tritanomaly

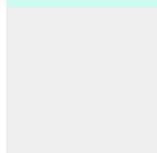
80.8035, 89.9320, 104.3666

# Monochromacy



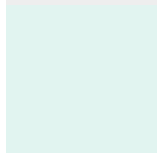
## Original Color

76.2481, 90.0512, 98.1569



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.1302, 87.0002, 95.0602

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2481, 90.0512, 98.1569 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(203, 254, 243)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 254, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 254, 243) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2481, 90.0512, 98.1569 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(203, 254, 243) }
```



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

```
.border{ border-color:rgb(203, 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(203, 254, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 254, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 254, 243);  
box-shadow:4px 4px 4px 4px rgb(203, 254,  
243) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2481, 90.0512, 98.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 254, 243) }
```

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

```
.background{ background-color: rgb(203,  
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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