

# Converting Colors

XYZ(81.1239, 100.0000,  
106.2812)

Have a look what the booklet for  
XYZ(81.1239, 100.0000, 106.2812)  
contains.

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# Color

**XYZ(76.4613, 90.4908,  
104.7033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6FFFB
RGB	198, 255, 251
RGB Percent	78%, 100%, 98%
CMY	0.2235, 0.0000, 0.0157
CMYK	0.22, 0.00, 0.02, 0.00
HSL	176°, 100%, 89%
HSV	176°, 22%, 100%
XYZ	76.4613, 90.4908, 104.7033
YIQ	237.5010, -32.6880, -13.3280

# Conversions

## Conversions Part 2

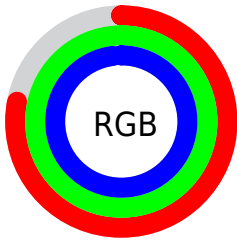
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 228, 255
Decimal	13041659
CIE <sub>Lab</sub>	96.20, -18.60, -3.96
CIE <sub>LCh</sub>	96, 19.018, 192.016
Yxy	90.4908, 0.2815, 0.3331
Android (android.graphics.Color)	4291231739 (0xFFC6FFFB)
YUV	237.5010, 6.6550, -34.6424
Hunter-Lab	95.1267, -22.9962, 1.3298

# Details

The XYZ color **76.4613, 90.4908, 104.7033** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.0955, 65.9138, 64.8006**, and the grayscale version is **80.8506, 85.0611, 92.6315**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3721, 50.1679, 59.1326** is the 20% darker color. If you saturate the color by 10%, you get **70.0160, 87.2005, 102.9380**, and if you desaturate by 10%, it is **84.0429, 94.3665, 106.5387**.

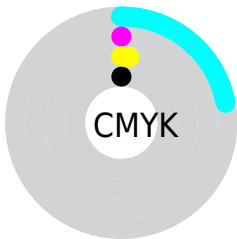
# Distribution



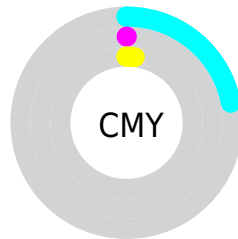
- Red (78%)
- Green (100%)
- Blue (98%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4613, 90.4908, 104.7033 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 76.4613, 90.4908, 104.7033 by changing the saturation by 10% instead.




 76.4613, 90.4908,  
104.7033

 76.4613, 90.4908,  
104.7033


471.8455,  
529.6261, 596.5439

 57.1092, 68.3878,  
79.5955


127.3557,  
148.0199, 169.7138

 41.3334, 50.2133,  
58.8614


159.6287,  
184.2149, 210.4535

 28.7685, 35.5829,  
42.0823


196.9393,  
225.8759, 257.2411

 19.0492, 24.1122,  
28.8397

239.6531,  
273.3874, 310.4949

 11.8100, 15.4169,  
18.7150

288.1352,  
327.1338, 370.6335

 6.6857, 9.1125,  
11.2898

342.7511,

 3.3109, 4.8146,

387.4994, 438.0756

6.1455

403.8661,  
454.8687, 513.2395

■ 1.3202, 2.1389,  
2.8635

■ 0.1983, 0.6864,  
1.0254

■ 76.4613, 90.4908,  
104.7033

■ 76.4613, 90.4908,  
104.7033

■ 70.0160, 87.2005,  
102.9380

■ 84.0429, 94.3665,  
106.5387

■ 64.6472, 84.4649,  
101.2354

■ 92.8103, 98.8532,  
108.4420

■ 60.2944, 82.2528,  
99.5942

95.0500, 100.0000,  
108.9000

■ 56.8900, 80.5293,  
98.0112

■ 54.3579, 79.2552,  
96.4828

■ 52.6105, 78.3852,  
95.0048

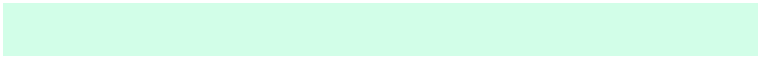
■ 51.5418, 77.8649,  
93.5723

■ 51.0625, 77.6410,  
92.5017

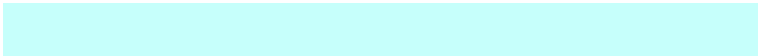
# Harmonies

## Analogous

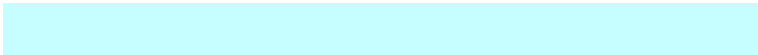
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7144, 90.4908, 89.8265



76.4613, 90.4908, 104.7033



78.6884, 90.4908, 119.2873

# Triad

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



76.4613, 90.4908, 104.7033



92.9806, 90.4908, 121.7342



89.1798, 90.4908, 73.3936

# Complementary

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



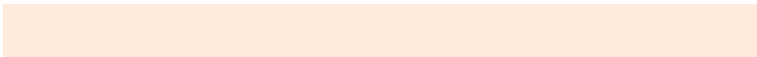
76.4613, 90.4908, 104.7033



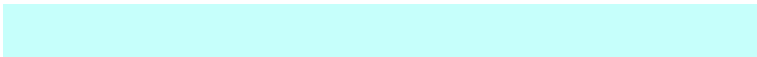
72.0955, 65.9138, 64.8006

# 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.



93.7697, 90.4908, 80.3306



76.4613, 90.4908, 104.7033



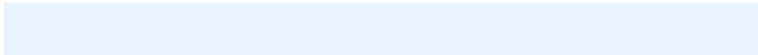
96.0251, 90.4908, 107.7764

# Square

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



76.4613, 90.4908, 104.7033



88.1385, 90.4908, 129.7722



96.3197, 90.4908, 92.6025



83.9137, 90.4908, 72.7520



# Rectangle

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



76.4613, 90.4908, 104.7033



81.3350, 90.4908, 126.4828



96.3197, 90.4908, 92.6025



90.8583, 90.4908, 75.0310

# Sweetspot

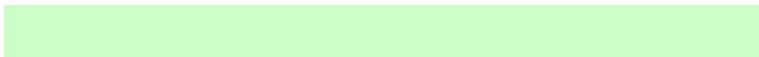
The Sweet Spot groups the original color and five complimentary colors.



76.4623, 90.4913, 104.7048



88.5842, 96.6900, 107.5485



70.5146, 88.2591, 66.7470



18.8473, 20.6376, 22.9952



0.0000, 0.0000, 0.0000

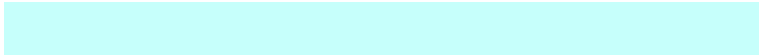


20.3446, 21.4041, 23.3091

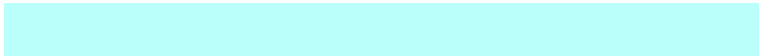


# Same Dimension

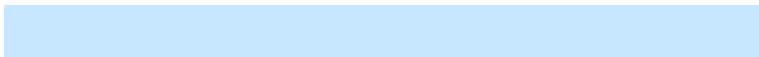
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.4623, 90.4913, 104.7048



73.3282, 88.8907, 103.8754



69.9857, 76.5187, 105.6887



18.4966, 20.4582, 22.9181



26.7046, 40.5784, 48.4572



2.6160, 3.9573, 4.8015



# Inverse Universe

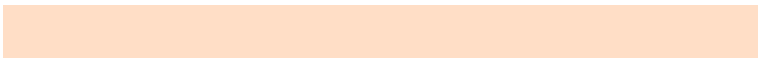
The Inverse Universe completely reimagines the original color for something new.



72.0955, 65.9138, 64.8006



68.2323, 60.2017, 57.3024



77.4887, 77.4481, 64.2927



18.0611, 18.0077, 18.9387



21.6241, 11.1390, 1.4053

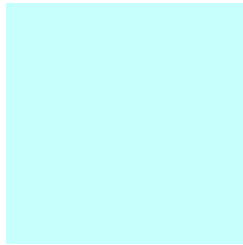


2.1226, 1.0914, 0.2272



# Previews

## White Background



This preview shows how the XYZ color 76.4613, 90.4908, 104.7033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

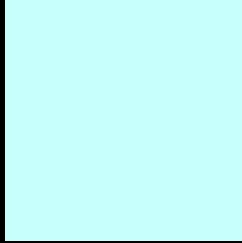
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4613, 90.4908, 104.7033 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

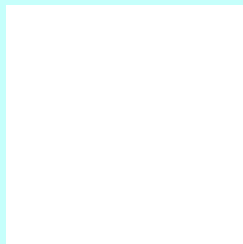
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.4613, 90.4908, 104.7033

## Background



This preview shows how black text looks on a background with the XYZ color 76.4613, 90.4908, 104.7033.



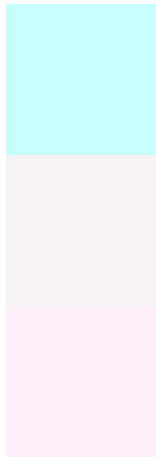
This preview shows how white text looks on a background with the XYZ color 76.4613, 90.4908,



# 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

76.4613, 90.4908, 104.7033

### Protanopia

86.4390, 89.8101, 98.3672

### Deuteranopia

89.5191, 89.9580, 103.9123



## **Tritanopia**

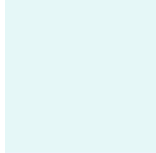
83.3057, 90.2355, 107.6343

# Trichromacy



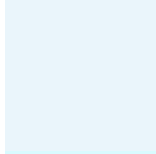
## Original Color

76.4613, 90.4908, 104.7033



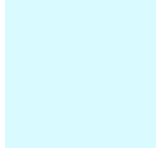
## Protanomaly

82.3624, 89.8949, 101.0062



## Deuteranomaly

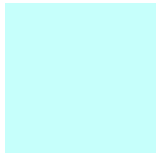
83.9967, 89.7623, 104.1655



## Tritanomaly

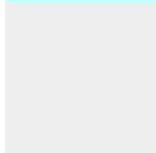
80.6903, 90.2787, 106.9386

# Monochromacy



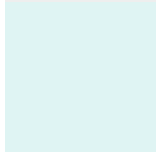
## Original Color

76.4613, 90.4908, 104.7033



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

78.9598, 86.8604, 97.3981

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4613, 90.4908, 104.7033 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(198, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 251)  
}
```

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(198, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4613, 90.4908, 104.7033 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(198, 255, 251) }
```



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

```
.border{ border-color:rgb(198, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4613, 90.4908, 104.7033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 251) }
```

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

```
.background{ background-color: rgb(198,  
255, 251) }
```

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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