

# Converting Colors

XYZ(80.8339, 100.0000,  
104.8985)

Have a look what the booklet for  
XYZ(80.8339, 100.0000, 104.8985)  
contains.

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# Color

**XYZ(75.8848, 90.2299,  
103.0391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5FFF9
RGB	197, 255, 249
RGB Percent	77%, 100%, 98%
CMY	0.2274, 0.0000, 0.0235
CMYK	0.23, 0.00, 0.02, 0.00
HSL	174°, 100%, 89%
HSV	174°, 23%, 100%
XYZ	75.8848, 90.2299, 103.0391
YIQ	236.9740, -32.6420, -14.1620

# Conversions

## Conversions Part 2

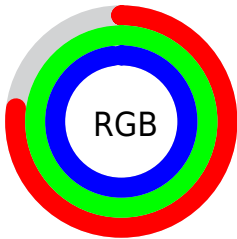
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 228, 255
Decimal	12976121
CIE Lab	96.09, -19.31, -3.09
CIE LCh	96, 19.554, 189.103
Yxy	90.2299, 0.2819, 0.3352
Android (android.graphics.Color)	4291166201 (0xFFC5FFF9)
YUV	236.9740, 5.9288, -35.0572
Hunter-Lab	94.9894, -23.6321, 2.1782

# Details

The XYZ color **75.8848, 90.2299, 103.0391** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9864, 65.5054, 65.3500**, and the grayscale version is **80.4498, 84.6395, 92.1724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9751, 49.9892, 57.9413** is the 20% darker color. If you saturate the color by 10%, you get **69.3548, 86.9107, 100.6025**, and if you desaturate by 10%, it is **83.5519, 94.1345, 105.5620**.

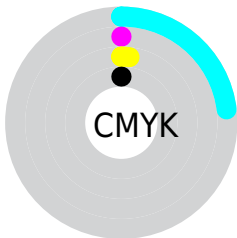
# Distribution



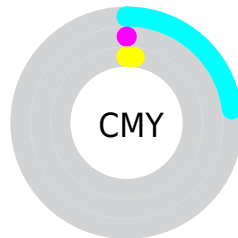
- Red (77%)
- Green (100%)
- Blue (98%)



- Red (77%)
- Yellow (89%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8848, 90.2299, 103.0391 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 75.8848, 90.2299, 103.0391 by changing the saturation by 10% instead.




 75.8848, 90.2299,  
103.0391

 75.8848, 90.2299,  
103.0391


469.9037,  
528.7784, 591.2227

 56.6348, 68.1713,  
78.2101


126.5453,  
147.6577, 167.4156

 40.9511, 50.0371,  
57.7291


158.6864,  
183.7957, 207.8000

 28.4684, 35.4429,  
41.1776

195.8554,  
225.3957, 254.2068

 18.8213, 24.0043,  
28.1372

238.4174,  
272.8420, 307.0542

 11.6444, 15.3368,  
18.1891

286.7379,  
326.5190, 366.7610

 6.5725, 9.0561,  
10.9150

341.1822,

 3.2402, 4.7778,

386.8112, 433.7457

5.8963

402.1157,  
454.1028, 508.4267

■ 1.2820, 2.1175,  
2.7143

■ 0.1697, 0.6744,  
0.9506

■ 75.8848, 90.2299,  
103.0391

■ 75.8848, 90.2299,  
103.0391

■ 69.3548, 86.9107,  
100.6025

■ 83.5519, 94.1345,  
105.5620

■ 63.9022, 84.1463,  
98.2449

■ 92.4059, 98.6504,  
108.1692

■ 59.4662, 81.9053,  
95.9647

■ 95.0500, 100.0000,  
108.9000

■ 55.9788, 80.1527,  
93.7588

■ 53.3636, 78.8491,  
91.6233

■ 51.5323, 77.9489,  
89.5540

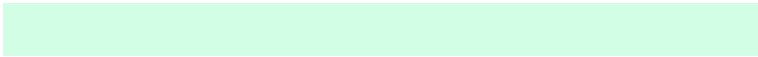
■ 50.3780, 77.3971,  
87.5458

■ 49.8509, 77.1564,  
86.1216

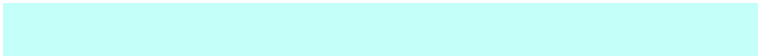
# Harmonies

## Analogous

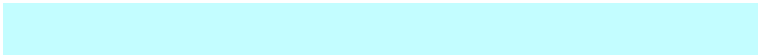
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3963, 90.2299, 87.9877



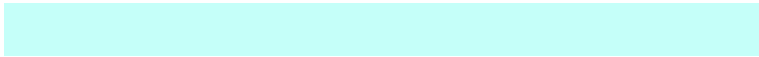
75.8848, 90.2299, 103.0391



77.9317, 90.2299, 118.2794

# Triad

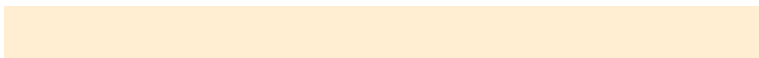
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8848, 90.2299, 103.0391



92.4973, 90.2299, 123.2507



89.5287, 90.2299, 72.9361

# Complementary

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



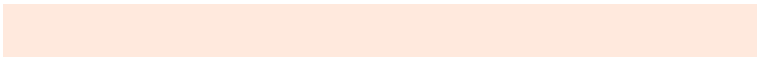
75.8848, 90.2299, 103.0391



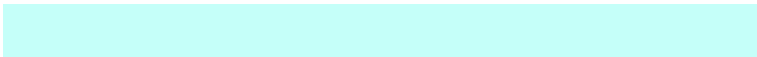
71.9864, 65.5054, 65.3500

# 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.



94.0975, 90.2299, 80.6112



75.8848, 90.2299, 103.0391



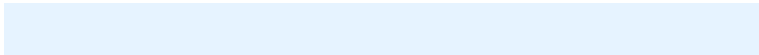
95.8609, 90.2299, 109.2700

# Square

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



75.8848, 90.2299, 103.0391



87.4188, 90.2299, 130.7298



96.4585, 90.2299, 93.6020



84.1239, 90.2299, 71.6436



# Rectangle

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



75.8848, 90.2299, 103.0391



80.5244, 90.2299, 126.1200



96.4585, 90.2299, 93.6020



91.2194, 90.2299, 74.8133

# Sweetspot

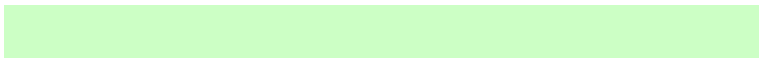
The Sweet Spot groups the original color and five complimentary colors.



75.8858, 90.2303, 103.0406



88.4893, 96.6520, 107.0489



70.6768, 88.3561, 66.1541



18.8253, 20.6288, 22.8791



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

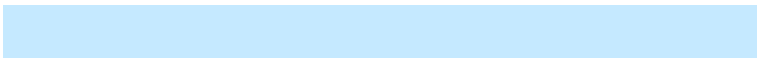
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8858, 90.2303, 103.0406



72.9707, 88.7477, 101.9930



70.1498, 77.2370, 105.8187



18.4691, 20.4472, 22.7734



26.0810, 40.3290, 45.1734



2.5618, 3.9356, 4.5161



# Inverse Universe

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



71.9864, 65.5054, 65.3500



68.4864, 60.3034, 58.6406



76.7112, 76.0770, 63.4660



18.0857, 18.0176, 19.0685



21.6731, 11.1585, 1.6631

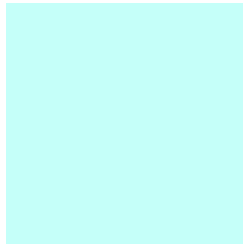


2.1343, 1.0961, 0.2884



# Previews

## White Background



This preview shows how the XYZ color 75.8848, 90.2299, 103.0391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

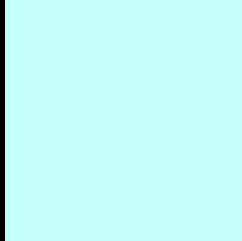
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8848, 90.2299, 103.0391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

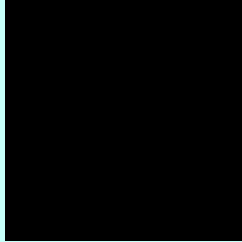
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

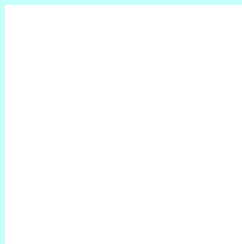
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 75.8848, 90.2299, 103.0391

## Background



This preview shows how black text looks on a background with the XYZ color 75.8848, 90.2299, 103.0391.



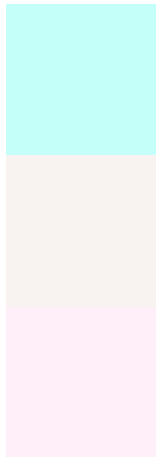
This preview shows how white text looks on a background with the XYZ color 75.8848, 90.2299,



# 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

75.8848, 90.2299, 103.0391

### Protanopia

86.3407, 89.8116, 96.0038

### Deuteranopia

89.2054, 89.8326, 102.2603



## Tritanopia

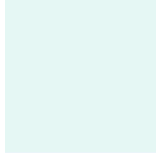
83.3057, 90.2355, 107.6343

# Trichromacy



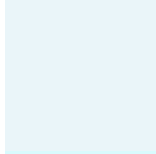
## Original Color

75.8848, 90.2299, 103.0391



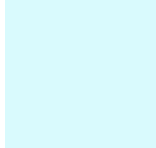
## Protanomaly

81.9030, 89.7112, 98.5872



## Deuteranomaly

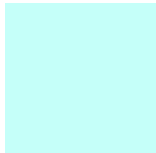
83.6830, 89.6368, 102.5136



## Tritanomaly

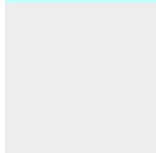
80.5305, 90.2148, 106.0973

# Monochromacy



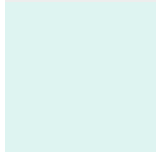
## Original Color

75.8848, 90.2299, 103.0391



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.3521, 86.5818, 95.8015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8848, 90.2299, 103.0391 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(197, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 249)  
}
```

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(197, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8848, 90.2299, 103.0391 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".

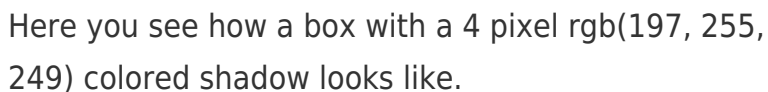
```
.border, #border, table{ border:4px solid rgb(197, 255, 249) }
```



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

```
.border{ border-color:rgb(197, 255, 249) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 255, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 255, 249); box-shadow:4px 4px 4px 4px rgb(197, 255, 249) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8848, 90.2299, 103.0391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 249) }
```

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

```
.background{ background-color: rgb(197,  
255, 249) }
```

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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