

# Converting Colors

XYZ(65.8715, 83.6331,  
103.4563)

Have a look what the booklet for  
XYZ(65.8715, 83.6331, 103.4563)  
contains.

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# Color

**XYZ(65.7760, 83.5909,  
103.1104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9CFCFA
RGB	156, 252, 250
RGB Percent	61%, 99%, 98%
CMY	0.3882, 0.0117, 0.0196
CMYK	0.38, 0.00, 0.01, 0.01
HSL	179°, 94%, 80%
HSV	179°, 38%, 99%
XYZ	65.7760, 83.5909, 103.1104
YIQ	223.0680, -56.5740, -20.9740

# Conversions

## Conversions Part 2

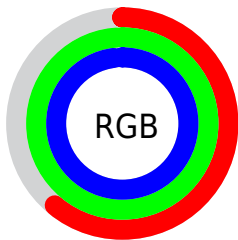
Format	Color
<b>RYB</b>	156, 205, 252
Decimal	10288378
CIELab	93.27, -28.74, -8.00
CIELCh	93, 29.833, 195.555
Yxy	83.5909, 0.2605, 0.3311
Android (android.graphics.Color)	4288478458 (0xFF9CFCFA)
YUV	223.0680, 13.2775, -58.8186
Hunter-Lab	91.4281, -31.5810, -2.8662

# Details

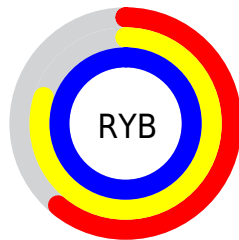
The XYZ color **65.7760, 83.5909, 103.1104** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.2078, 46.9433, 38.3438**, and the grayscale version is **70.1270, 73.7791, 80.3454**.

A 20% lighter version of the original color is **81.5416, 93.0361, 108.2678**, and **34.3983, 45.5779, 58.0234** is the 20% darker color. If you saturate the color by 10%, you get **61.3147, 81.3026, 102.4737**, and if you desaturate by 10%, it is **71.2540, 86.4074, 103.7996**.

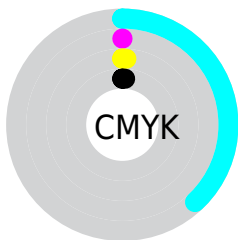
# Distribution



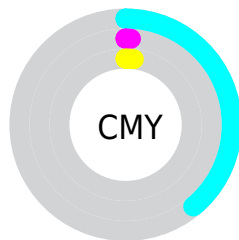
- Red (61%)
- Green (99%)
- Blue (98%)



- Red (61%)
- Yellow (80%)
- Blue (99%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)




- Cyan (39%)
- Magenta (1%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7760, 83.5909, 103.1104 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 65.7760, 83.5909, 103.1104 by changing the saturation by 10% instead.





 65.7760, 83.5909,  
103.1104


 65.7760, 83.5909,  
103.1104


435.0766,  
506.9537, 591.4512

 48.3576, 62.6777,  
78.2694


 112.2243,  
138.4028, 167.5141

 34.3226, 45.5805,  
57.7775


 141.9849,  
173.0702, 207.9138

 23.3056, 31.9149,  
41.2163


176.5903,  
213.0913, 254.3369

 14.9413, 21.2965,  
28.1672

216.4059,  
258.8503, 307.2019

 8.8642, 13.3409,  
18.2116

261.7969,  
310.7316, 366.9272

 4.7091, 7.6637,  
10.9310

313.1288,

 2.1106, 3.8805,

369.1197, 433.9315

5.9069

370.7669,  
434.3990, 508.6333

0.6950, 1.6070,  
2.7207

0.0000, 0.3623,  
0.9538

65.7760, 83.5909,  
103.1104

65.7760, 83.5909,  
103.1104

61.3147, 81.3026,  
102.4737

71.2540, 86.4074,  
103.7996

57.7997, 79.5000,  
101.8806

77.7989, 89.7719,  
104.5381

55.1634, 78.1504,  
101.3298

85.4665, 93.7151,  
105.3303

53.3260, 77.2126,  
100.8176

93.6391, 97.9186,  
106.1473

■ 52.1934, 76.6382,  
100.3396

■ 93.7226, 97.9520,  
106.5871

■ 51.6369, 76.3606,  
99.8898

■ 93.8064, 97.9855,  
107.0280

■ 51.5613, 76.3235,  
99.8056

■ 93.8903, 98.0191,  
107.4701

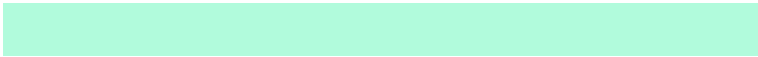
■ 93.9745, 98.0527,  
107.9135

■ 94.0589, 98.0865,  
108.3580

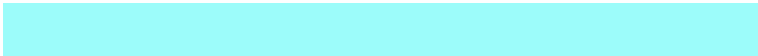
# Harmonies

## Analogous

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



65.7092, 83.5909, 80.6515



65.7760, 83.5909, 103.1104



69.3413, 83.5909, 125.5053

# Triad

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



65.7760, 83.5909, 103.1104



90.7236, 83.5909, 124.7725



83.2763, 83.5909, 55.2385

# Complementary

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



65.7760, 83.5909, 103.1104



58.2078, 46.9433, 38.3438

# 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.



90.4977, 83.5909, 63.5064



65.7760, 83.5909, 103.1104



94.9855, 83.5909, 102.2331

# Square

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



65.7760, 83.5909, 103.1104



83.5684, 83.5909, 139.3466



94.9002, 83.5909, 79.9069

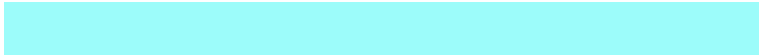


75.4705, 83.5909, 55.3942

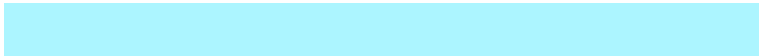


# Rectangle

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



65.7760, 83.5909, 103.1104



73.3656, 83.5909, 136.3241



94.9002, 83.5909, 79.9069



85.8632, 83.5909, 57.0566

# Sweetspot

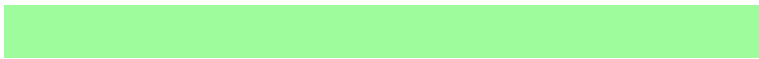
The Sweet Spot groups the original color and five complimentary colors.



65.7785, 83.5942, 103.1123



85.3787, 95.0251, 107.9563



55.1514, 79.4159, 43.8762



18.0410, 20.2192, 23.0832



0.0000, 0.0000, 0.0000

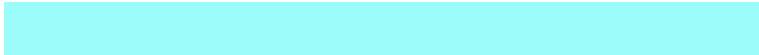


20.3446, 21.4041, 23.3091



# Same Dimension

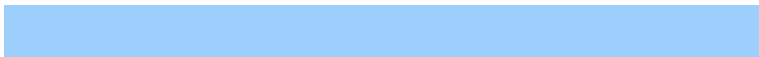
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.7785, 83.5942, 103.1123



63.8501, 83.9611, 105.3963



53.6448, 58.8215, 100.6255



17.7493, 19.6020, 22.1462



26.8651, 39.7590, 52.0264



2.4930, 3.6843, 4.8441



# Inverse Universe

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



58.2078, 46.9433, 38.3438



55.0300, 41.2488, 29.9293



66.9886, 64.7788, 40.4270



17.2593, 17.2311, 17.9553



20.9335, 10.7891, 1.0922

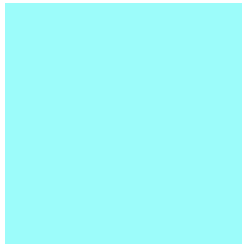


1.9438, 1.0013, 0.1275



# Previews

## White Background



This preview shows how the XYZ color 65.7760, 83.5909, 103.1104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

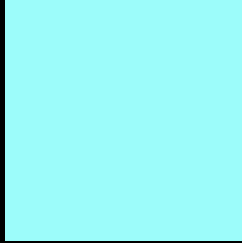
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7760, 83.5909, 103.1104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

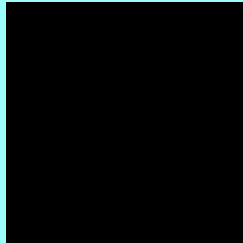
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.7760, 83.5909, 103.1104

## Background



This preview shows how black text looks on a background with the XYZ color 65.7760, 83.5909, 103.1104.



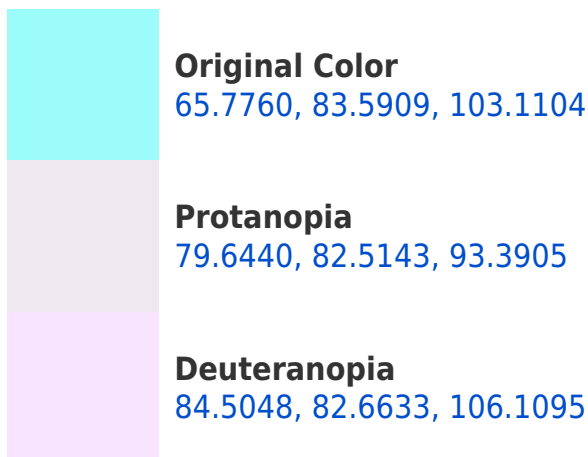
This preview shows how white text looks on a background with the XYZ color 65.7760, 83.5909,



# 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





## Tritanopia

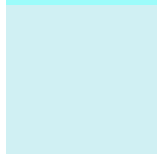
73.1265, 83.1915, 106.8111

# Trichromacy



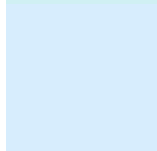
## Original Color

65.7760, 83.5909, 103.1104



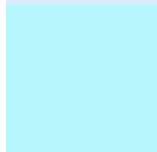
## Protanomaly

73.3502, 82.2011, 96.7945



## Deuteranomaly

76.0381, 82.1073, 104.7692



## Tritanomaly

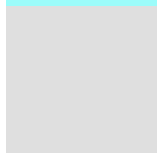
69.9768, 82.9485, 105.2510

# Monochromacy



## Original Color

65.7760, 83.5909, 103.1104



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

67.6840, 76.8709, 88.3610

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7760, 83.5909, 103.1104 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(156, 252, 250)` looks like.

```
.text, #text, p{  
    color:rgb(156, 252, 250)  
}
```

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(156, 252, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 252, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7760, 83.5909, 103.1104 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(156, 252, 250) }
```



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

```
.border{ border-color:rgb(156, 252, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 252, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 252, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 252, 250);  
box-shadow:4px 4px 4px 4px rgb(156, 252,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7760, 83.5909, 103.1104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 252, 250) }
```

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

```
.background{ background-color: rgb(156,  
252, 250) }
```

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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