

# Converting Colors

XYZ(77.9899, 89.5635,  
104.7392)

Have a look what the booklet for  
XYZ(77.9899, 89.5635, 104.7392)  
contains.

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# Color

**XYZ(77.9222, 89.3693,  
104.4098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0FBFB
RGB	208, 251, 251
RGB Percent	82%, 98%, 98%
CMY	0.1843, 0.0157, 0.0157
CMYK	0.17, 0.00, 0.00, 0.02
HSL	180°, 84%, 90%
HSV	180°, 17%, 98%
XYZ	77.9222, 89.3693, 104.4098
YIQ	238.1430, -25.6280, -9.1160

# Conversions

## Conversions Part 2

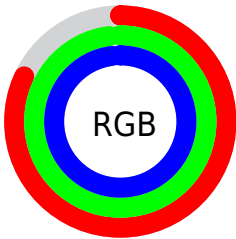
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	208, 230, 251
Decimal	13695995
CIE <sub>Lab</sub>	95.73, -13.65, -4.58
CIE <sub>LCh</sub>	96, 14.399, 198.534
Yxy	89.3693, 0.2868, 0.3289
Android (android.graphics.Color)	4291886075 (0xFFD0FBFB)
YUV	238.1430, 6.3385, -26.4354
Hunter-Lab	94.5353, -18.3055, 0.6917

# Details

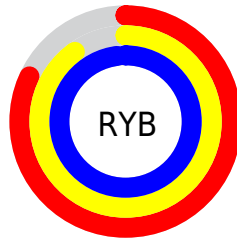
The XYZ color **77.9222, 89.3693, 104.4098** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7279, 70.1776, 69.3381**, and the grayscale version is **81.3475, 85.5840, 93.2009**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2790, 49.2960, 58.9165** is the 20% darker color. If you saturate the color by 10%, you get **71.4165, 86.0179, 104.1056**, and if you desaturate by 10%, it is **85.5499, 93.3038, 104.7703**.

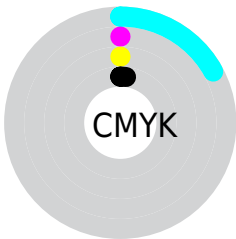
# Distribution



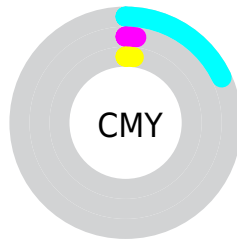
- Red (82%)
- Green (98%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9222, 89.3693, 104.4098 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 77.9222, 89.3693, 104.4098 by changing the saturation by 10% instead.



77.9222, 89.3693,  
104.4098

77.9222, 89.3693,  
104.4098

476.7464,  
525.9771, 595.6073

58.3126, 67.4577,  
79.3511

129.4064,  
146.4620, 169.3087

42.3043, 49.4566,  
58.6615

162.0117,  
182.4119, 209.9860

29.5318, 34.9819,  
41.9225

199.6797,  
223.8099, 256.7065

19.6298, 23.6489,  
28.7155

242.7756,  
271.0406, 309.8889

12.2329, 15.0734,  
18.6220

291.6649,  
324.4883, 369.9516

6.9758, 8.8709,  
11.2234

346.7129,

3.4932, 4.6571,

384.5373, 437.3132

6.1012

408.2850,  
451.5721, 512.3923

■ 1.4196, 2.0475,  
2.8370

■ 0.2701, 0.6348,  
1.0120

■ 77.9222, 89.3693,  
104.4098

■ 77.9222, 89.3693,  
104.4098

■ 71.4165, 86.0179,  
104.1056

■ 85.5499, 93.3038,  
104.7703

■ 65.9725, 83.2115,  
103.8491


■ 93.1523, 97.2230,  
105.1278


■ 61.5364, 80.9246,  
103.6398


■ 93.1526, 97.2231,  
105.1295


■ 58.0462, 79.1254,  
103.4748


■ 93.1529, 97.2232,  
105.1311


 55.4334, 77.7784,  
103.3509


 93.1532, 97.2234,  
105.1328


 53.6199, 76.8436,  
103.2644


 93.1536, 97.2235,  
105.1345


 52.5144, 76.2737,  
103.2110

 93.1539, 97.2236,  
105.1362

 51.9992, 76.0081,  
103.1852

 93.1542, 97.2237,  
105.1379

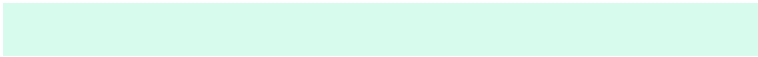
 51.9090, 75.9617,  
103.1805

 93.1545, 97.2239,  
105.1396

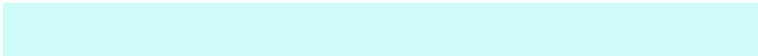
# Harmonies

## Analogous

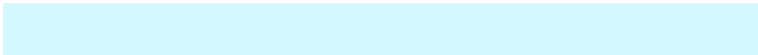
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6929, 89.3693, 93.0349



77.9222, 89.3693, 104.4098



79.9972, 89.3693, 114.5911

# Triad

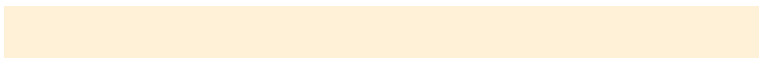
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9222, 89.3693, 104.4098



90.7807, 89.3693, 112.4828



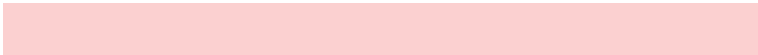
86.4663, 89.3693, 77.4524

# Complementary

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



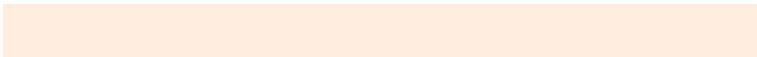
77.9222, 89.3693, 104.4098



73.7279, 70.1776, 69.3381

# 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.



90.0882, 89.3693, 81.8564



77.9222, 89.3693, 104.4098



92.6303, 89.3693, 101.7099

# Square

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



77.9222, 89.3693, 104.4098



87.3877, 89.3693, 119.4961



92.3730, 89.3693, 90.5357



82.5440, 89.3693, 78.0519

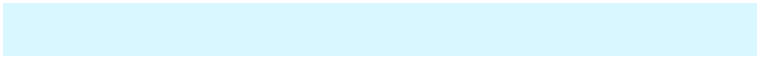


# Rectangle

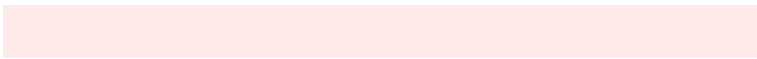
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



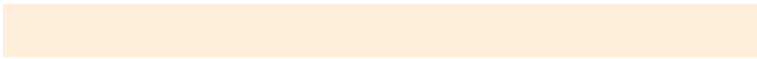
77.9222, 89.3693, 104.4098



82.1853, 89.3693, 119.0589



92.3730, 89.3693, 90.5357



87.7614, 89.3693, 78.3819

# Sweetspot

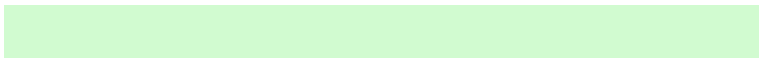
The Sweet Spot groups the original color and five complimentary colors.



77.9248, 89.3730, 104.4118



90.5137, 97.6614, 108.6868



72.0994, 87.0662, 72.6816



19.2425, 20.8359, 23.2573



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

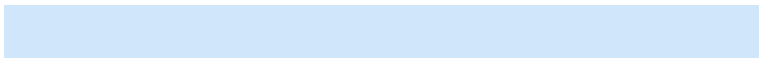
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9248, 89.3730, 104.4118



78.0179, 91.2197, 108.0993



71.7848, 77.0921, 102.3678



17.7658, 19.6086, 22.2334



27.2842, 39.9267, 54.2335



2.5270, 3.6979, 5.0231



# Inverse Universe

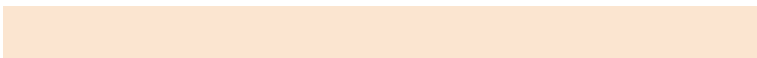
The Inverse Universe completely reimagines the original color for something new.



73.7279, 70.1776, 69.3381



72.8279, 67.4819, 64.7258



79.1314, 80.9853, 71.1372



17.2447, 17.2253, 17.8786



20.9120, 10.7805, 0.9791



1.9368, 0.9985, 0.0908



# Previews

## White Background



This preview shows how the XYZ color 77.9222, 89.3693, 104.4098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

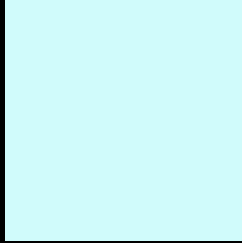
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.9222, 89.3693, 104.4098 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

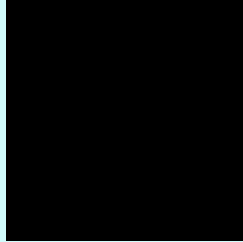
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.9222, 89.3693, 104.4098**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.9222, 89.3693, 104.4098.



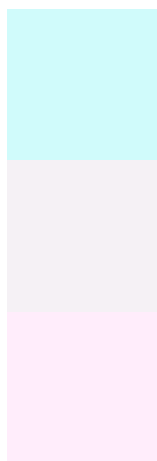
This preview shows how white text looks on a background with the XYZ color 77.9222, 89.3693,

104.4098.

# 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

77.9222, 89.3693, 104.4098

### Protanopia

85.5929, 88.9156, 99.0374

### Deuteranopia

88.9368, 88.7934, 103.7182



## Tritanopia

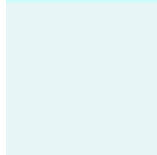
82.6973, 89.0188, 107.4315

# Trichromacy



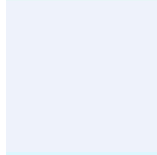
## Original Color

77.9222, 89.3693, 104.4098



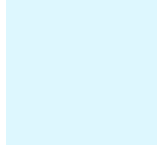
## Protanomaly

82.7196, 89.1760, 100.8486



## Deuteranomaly

84.4246, 88.6464, 103.9276



## Tritanomaly

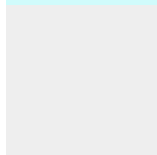
80.9690, 89.0494, 106.6867

# Monochromacy



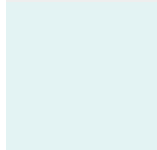
## Original Color

77.9222, 89.3693, 104.4098



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.9068, 86.9031, 97.3565

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.9222, 89.3693, 104.4098 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(208, 251, 251)` looks like.

```
.text, #text, p{  
    color:rgb(208, 251, 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(208, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 251, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 77.9222, 89.3693, 104.4098 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(208, 251, 251) }
```



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

```
.border{ border-color:rgb(208, 251, 251) }
```

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

Here you see how a box with a 4 pixel rgb(208, 251, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(208, 251,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.9222, 89.3693, 104.4098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 251, 251) }
```

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

```
.background{ background-color: rgb(208,  
251, 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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