

# Converting Colors

XYZ(73.7216, 85.7466,  
101.1215)

Have a look what the booklet for  
XYZ(73.7216, 85.7466, 101.1215)  
contains.

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# **Color**

**XYZ(73.7994, 85.9179,  
101.5011)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6F8F8
RGB	198, 248, 248
RGB Percent	78%, 97%, 97%
CMY	0.2235, 0.0274, 0.0274
CMYK	0.20, 0.00, 0.00, 0.03
HSL	180°, 78%, 87%
HSV	180°, 20%, 97%
XYZ	73.7994, 85.9179, 101.5011
YIQ	233.0500, -29.8000, -10.6000

# Conversions

## Conversions Part 2

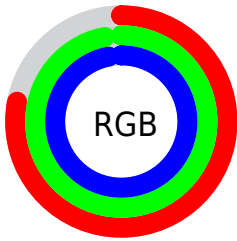
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 223, 248
Decimal	13039864
CIE <sub>Lab</sub>	94.28, -15.77, -5.24
CIE <sub>LCh</sub>	94, 16.622, 198.379
Yxy	85.9179, 0.2825, 0.3289
Android (android.graphics.Color)	4291229944 (0xFFC6F8F8)
YUV	233.0500, 7.3704, -30.7388
Hunter-Lab	92.6919, -20.0928, -0.0404

# Details

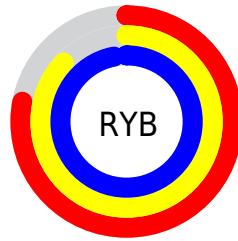
The XYZ color **73.7994, 85.9179, 101.5011** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.1016, 64.4243, 62.2228**, and the grayscale version is **77.4541, 81.4878, 88.7402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.6918, 47.3447, 56.9156** is the 20% darker color. If you saturate the color by 10%, you get **67.7906, 82.8225, 101.2204**, and if you desaturate by 10%, it is **80.8836, 89.5721, 101.8358**.

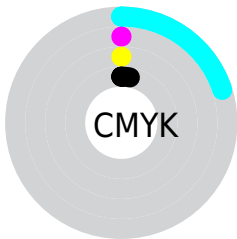
# Distribution



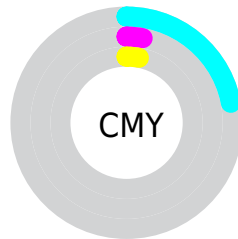
- Red (78%)
- Green (97%)
- Blue (97%)



- Red (78%)
- Yellow (87%)
- Blue (97%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)



- Cyan (22%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7994, 85.9179, 101.5011 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 73.7994, 85.9179, 101.5011 by changing the saturation by 10% instead.



73.7994, 85.9179,  
101.5011

73.7994, 85.9179,  
101.5011

462.8418,  
514.6605, 586.2824

54.9206, 64.6001,  
76.9309

123.6084,  
141.6549, 165.2883

39.5717, 47.1369,  
56.6849

155.2693,  
176.8429, 205.3425

27.3875, 33.1439,  
40.3447

191.9217,  
217.4231, 251.3950

18.0026, 22.2367,  
27.4916

233.9307,  
263.7798, 303.8645

11.0515, 14.0309,  
17.7070

281.6619,  
316.2975, 363.1694

6.1690, 8.1422,  
10.5726

335.4806,

2.9898, 4.1861,

375.3606, 429.7283

5.6697

395.7521,  
441.3535, 503.9598

■ 1.1484, 1.7782,  
2.5798

■ 0.0650, 0.4735,  
0.8820

■ 73.7994, 85.9179,  
101.5011

■ 73.7994, 85.9179,  
101.5011

■ 67.7906, 82.8225,  
101.2204

■ 80.8836, 89.5721,  
101.8358

■ 62.7975, 80.2485,  
100.9854

■ 89.0840, 93.7996,  
102.2209

■ 58.7664, 78.1704,  
100.7954

■ 91.7532, 95.1756,  
102.3471

■ 55.6353, 76.5563,  
100.6476

■ 91.7535, 95.1757,  
102.3484

■ 53.3353, 75.3706,  
100.5386

■ 91.7537, 95.1758,  
102.3498

■ 51.7872, 74.5726,  
100.4649

■ 91.7540, 95.1759,  
102.3511

■ 50.8970, 74.1137,  
100.4219

■ 91.7542, 95.1760,  
102.3524

■ 50.5105, 73.9145,  
100.4025

■ 91.7545, 95.1761,  
102.3537

■ 91.7547, 95.1762,  
102.3551

# Harmonies

## Analogous

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



73.5553, 85.9179, 88.6945



73.7994, 85.9179, 101.5011



76.1035, 85.9179, 113.1158

# Triad

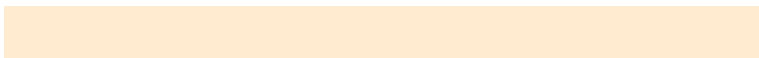
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7994, 85.9179, 101.5011



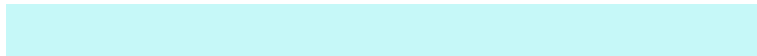
88.2354, 85.9179, 110.8103



83.4002, 85.9179, 71.5173

# Complementary

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



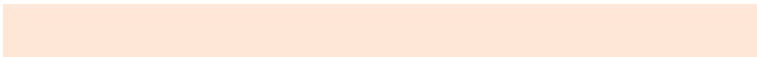
73.7994, 85.9179, 101.5011



69.1016, 64.4243, 62.2228

# 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.



87.4856, 85.9179, 76.3815



73.7994, 85.9179, 101.5011



90.3443, 85.9179, 98.5796

# Square

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



73.7994, 85.9179, 101.5011



84.3934, 85.9179, 118.8181



90.0649, 85.9179, 86.0253



78.9909, 85.9179, 72.1451

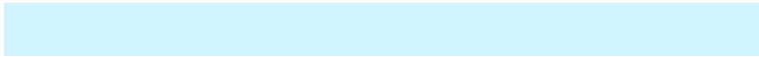


# Rectangle

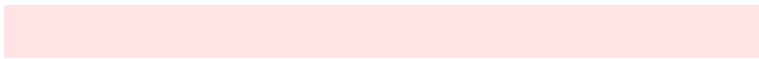
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7994, 85.9179, 101.5011



78.5464, 85.9179, 118.2623



90.0649, 85.9179, 86.0253



84.8597, 85.9179, 72.5450

# Sweetspot

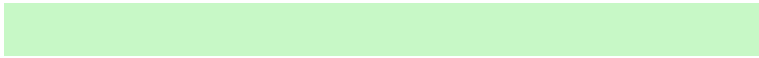
The Sweet Spot groups the original color and five complimentary colors.



73.8019, 85.9214, 101.5030



89.6432, 97.2127, 108.6461



67.2720, 83.3349, 65.9674



19.0671, 20.7455, 23.2491



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

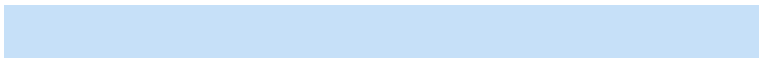
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8019, 85.9214, 101.5030



76.0062, 90.1826, 108.0054



66.8454, 72.0076, 99.1867



17.7658, 19.6086, 22.2335



27.2846, 39.9268, 54.2351



2.5270, 3.6979, 5.0232



# Inverse Universe

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



69.1016, 64.4243, 62.2228



70.2029, 63.6408, 59.5074



75.0731, 76.3679, 64.2114



17.2447, 17.2253, 17.8785



20.9120, 10.7805, 0.9790

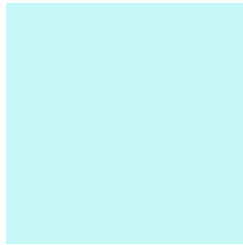


1.9368, 0.9985, 0.0908



# Previews

## White Background



This preview shows how the XYZ color 73.7994, 85.9179, 101.5011 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

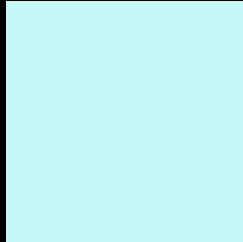
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7994, 85.9179, 101.5011 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

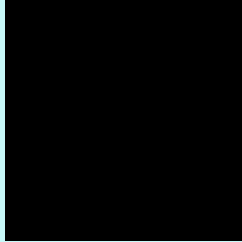
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.7994, 85.9179, 101.5011

## Background



This preview shows how black text looks on a background with the XYZ color 73.7994, 85.9179, 101.5011.



This preview shows how white text looks on a background with the XYZ color 73.7994, 85.9179,



# 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

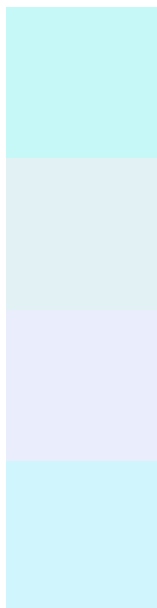




## Tritanopia

78.4195, 85.9201, 107.0588

# Trichromacy



## Original Color

73.7994, 85.9179, 101.5011

## Protanomaly

78.8358, 85.4498, 97.9263

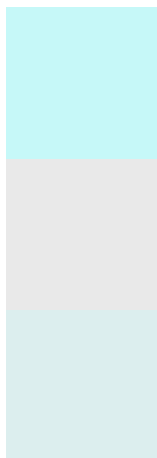
## Deuteranomaly

81.6285, 85.0258, 103.3761

## Tritanomaly

76.5176, 85.8884, 104.6407

# Monochromacy



## Original Color

73.7994, 85.9179, 101.5011

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

75.5224, 82.5378, 92.8398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7994, 85.9179, 101.5011 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, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(198, 248, 248)  
}
```

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, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 248, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7994, 85.9179, 101.5011 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, 248, 248) }
```



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

```
.border{ border-color:rgb(198, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(198, 248,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7994, 85.9179, 101.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 248, 248) }
```

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

```
.background{ background-color: rgb(198,  
248, 248) }
```

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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