

Converting Colors

XYZ(81.2748, 107.8346,
88.7159)

Have a look what the booklet for
XYZ(81.2748, 107.8346, 88.7159)
contains.

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Color

**XYZ(71.4798, 88.3484,
85.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFE2
RGB	193, 255, 226
RGB Percent	76%, 100%, 89%
CMY	0.2431, 0.0000, 0.1137
CMYK	0.24, 0.00, 0.11, 0.00
HSL	152°, 100%, 88%
HSV	152°, 24%, 100%
XYZ	71.4798, 88.3484, 85.2371
YIQ	233.1560, -27.6430, -22.1630

Conversions

Conversions Part 2

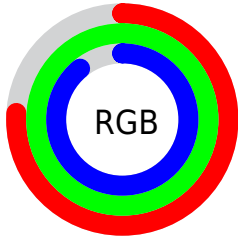
Format	Color
RYB	193, 233, 255
Decimal	12713954
CIELab	95.31, -25.08, 7.58
CIELCh	95, 26.202, 163.176
Yxy	88.3484, 0.2917, 0.3605
Android (android.graphics.Color)	4290904034 (0xFFC1FFE2)
YUV	233.1560, -3.5279, -35.2168
Hunter-Lab	93.9938, -28.7447, 12.0293

Details

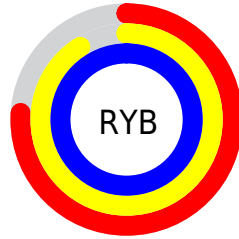
The XYZ color **71.4798, 88.3484, 85.2371** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.4953, 64.6749, 77.7173**, and the grayscale version is **77.6100, 81.6517, 88.9187**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **38.0260, 48.7317, 45.9301** is the 20% darker color. If you saturate the color by 10%, you get **63.9499, 84.6492, 76.6369**, and if you desaturate by 10%, it is **80.2461, 92.6719, 94.4923**.

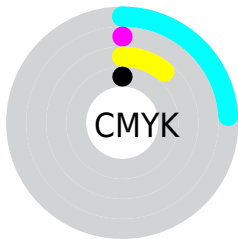
Distribution



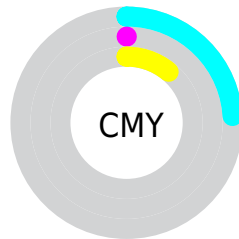
- Red (76%)
- Green (100%)
- Blue (89%)



- Red (76%)
- Yellow (91%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4798, 88.3484, 85.2371 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 71.4798, 88.3484, 85.2371 by changing the saturation by 10% instead.


 71.4798, 88.3484,
85.2371

 71.4798, 88.3484,
85.2371


454.9147,
522.6435, 532.5773

 53.0178, 66.6116,
63.4860


 120.3315,
145.0421, 142.5815

 38.0445, 48.7691,
45.7910

151.4518,
180.7678, 179.0119

 26.1946, 34.4363,
31.7334


187.5223,
221.9254, 221.1725

 17.1027, 23.2290,
20.8949

228.9084,
268.8991, 269.4818

 10.4035, 14.7627,
12.8567

275.9753,
322.0733, 324.3585

 5.7316, 8.6530,
7.2004

329.0884,

 2.7217, 4.5156,

381.8326, 386.2209

3.5074

388.6131,
448.5611, 455.4877

■ 1.0084, 1.9659,
1.3592

■ 0.0000, 0.5876,
0.1096

■ 71.4798, 88.3484,
85.2371

■ 71.4798, 88.3484,
85.2371

■ 63.9499, 84.6492,
76.6369

■ 80.2461, 92.6719,
94.4923

■ 57.5939, 81.5423,
68.6727

■ 90.3018, 97.6466,
104.4125

■ 52.3478, 78.9949,
61.3304

95.0500, 100.0000,
108.9000

■ 48.1400, 76.9704,
54.5939

■ 44.8900, 75.4277,
48.4461

■ 42.5046, 74.3189,
42.8690

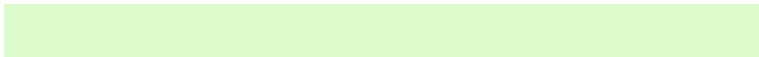
■ 40.8701, 73.5859,
37.8429

■ 40.1847, 73.2899,
35.2203

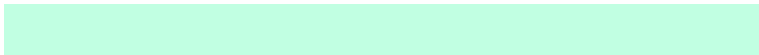
Harmonies

Analogous

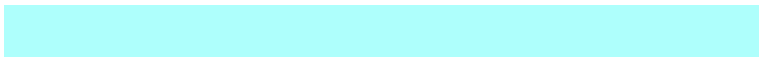
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9061, 88.3484, 70.2285



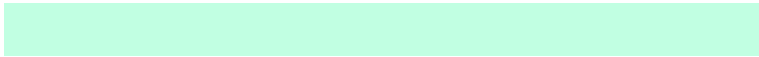
71.4798, 88.3484, 85.2371



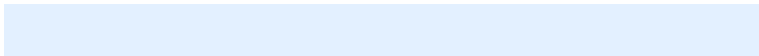
71.2764, 88.3484, 105.4604

Triad

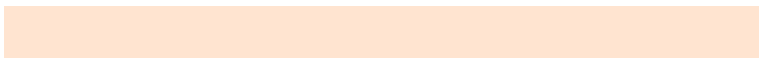
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.4798, 88.3484, 85.2371



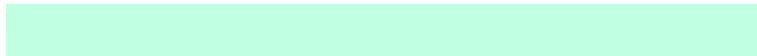
87.1478, 88.3484, 139.8870



94.4104, 88.3484, 71.6761

Complementary

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



71.4798, 88.3484, 85.2371



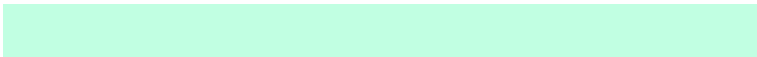
73.4953, 64.6749, 77.7173

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.



98.0932, 88.3484, 87.4915



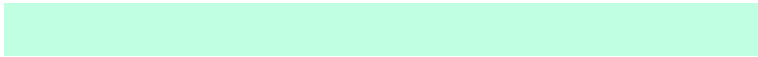
71.4798, 88.3484, 85.2371



93.7425, 88.3484, 127.8861

Square

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



71.4798, 88.3484, 85.2371



80.0532, 88.3484, 139.0555



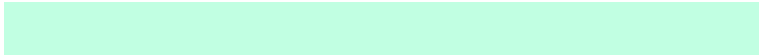
97.8421, 88.3484, 108.0570



88.0177, 88.3484, 63.1952

Rectangle

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



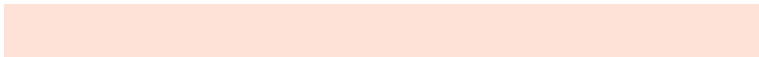
71.4798, 88.3484, 85.2371



72.9756, 88.3484, 119.4087



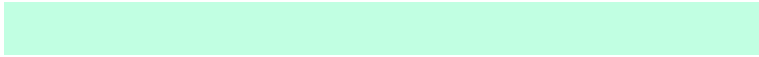
97.8421, 88.3484, 108.0570



96.0222, 88.3484, 76.2058

Sweetspot

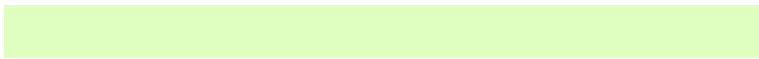
The Sweet Spot groups the original color and five complimentary colors.



71.4806, 88.3489, 85.2385



87.4698, 96.2442, 101.6805



75.8074, 91.0532, 64.0330



18.5888, 20.5342, 21.6339



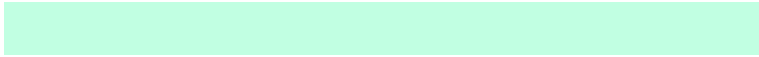
0.0000, 0.0000, 0.0000



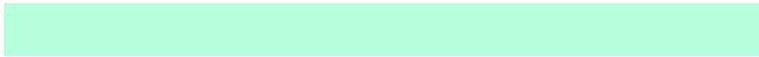
20.3446, 21.4041, 23.3091

Same Dimension

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



71.4806, 88.3489, 85.2385



67.8006, 86.5389, 81.1265



75.4742, 89.4202, 107.8897



18.1757, 20.3298, 21.2282



21.0736, 38.3260, 18.8047



2.1071, 3.7538, 2.1218

Inverse Universe

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



73.4953, 64.6749, 77.7173



70.1220, 59.2673, 72.4648



70.1656, 63.7098, 59.0525



18.3630, 18.1285, 20.5285



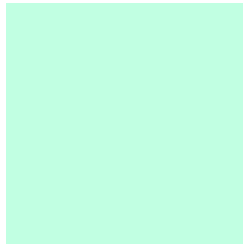
23.3710, 11.8377, 10.6043



2.3302, 1.1744, 1.3200

Previews

White Background



This preview shows how the XYZ color 71.4798, 88.3484, 85.2371 looks on a white background.

Color Contrast Check

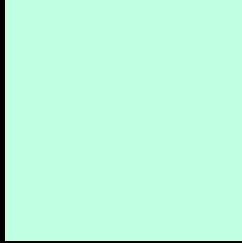
Large Text (above 18pt) WCAG AA × Fail

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 71.4798, 88.3484, 85.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

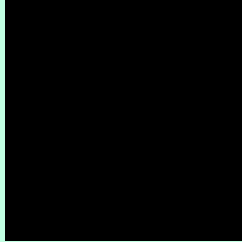
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

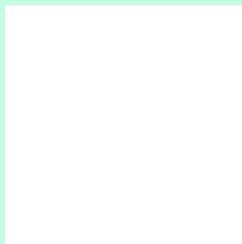
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.4798, 88.3484, 85.2371

Background



This preview shows how black text looks on a background with the XYZ color 71.4798, 88.3484, 85.2371.



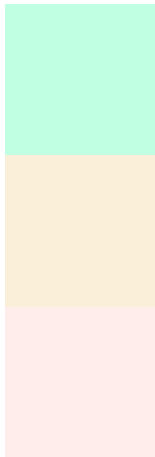
This preview shows how white text looks on a background with the XYZ color 71.4798, 88.3484,

85.2371.

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

71.4798, 88.3484, 85.2371

Protanopia

83.2393, 87.7061, 78.8715

Deuteranopia

86.6645, 87.8845, 91.7526



Tritanopia

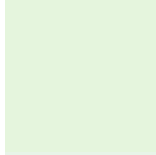
80.8266, 88.0544, 107.3439

Trichromacy



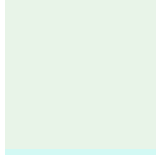
Original Color

71.4798, 88.3484, 85.2371



Protanomaly

78.0167, 87.1833, 81.1228



Deuteranomaly

80.1949, 87.6834, 89.0418



Tritanomaly

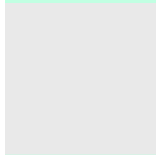
77.0688, 88.1319, 98.5372

Monochromacy



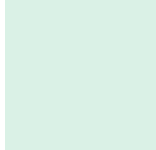
Original Color

71.4798, 88.3484, 85.2371



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.6517, 83.5292, 87.0511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4798, 88.3484, 85.2371 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(193, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 226)  
}
```

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(193, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 71.4798, 88.3484, 85.2371 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(193, 255, 226) }
```


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

```
.border{ border-color:rgb(193, 255, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4798, 88.3484, 85.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 226) }
```

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

```
.background{ background-color: rgb(193,  
255, 226) }
```

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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