

Converting Colors

XYZ(70.2294, 83.8452, 85.1157)

Have a look what the booklet for
XYZ(70.2294, 83.8452, 85.1157)
contains.

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Color

**XYZ(70.4146, 84.0733,
85.1896)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F7E3
RGB	198, 247, 227
RGB Percent	78%, 97%, 89%
CMY	0.2235, 0.0314, 0.1098
CMYK	0.20, 0.00, 0.08, 0.03
HSL	156°, 75%, 87%
HSV	156°, 20%, 97%
XYZ	70.4146, 84.0733, 85.1896
YIQ	230.0690, -22.7840, -16.6080

Conversions

Conversions Part 2

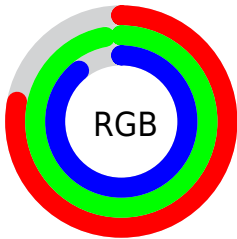
Format	Color
RYB	198, 229, 247
Decimal	13039587
CIELab	93.48, -19.48, 4.47
CIELCh	93, 19.990, 167.076
Yxy	84.0733, 0.2938, 0.3508
Android (android.graphics.Color)	4291229667 (0xFFC6F7E3)
YUV	230.0690, -1.5130, -28.1245
Hunter-Lab	91.6915, -23.3808, 9.0983

Details

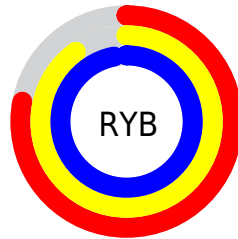
The XYZ color **70.4146, 84.0733, 85.1896** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2097, 65.2265, 75.1701**, and the grayscale version is **75.2897, 79.2106, 86.2603**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.4049, 46.0798, 45.9526** is the 20% darker color. If you saturate the color by 10%, you get **63.0765, 80.4488, 77.7941**, and if you desaturate by 10%, it is **78.9006, 88.2847, 93.0678**.

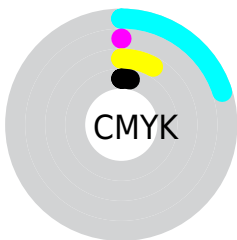
Distribution



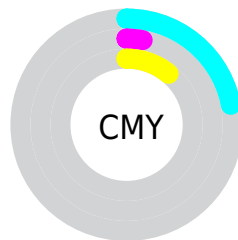
- Red (78%)
- Green (97%)
- Blue (89%)



- Red (78%)
- Yellow (90%)
- Blue (97%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)



- Cyan (22%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.4146, 84.0733, 85.1896 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 70.4146, 84.0733, 85.1896 by changing the saturation by 10% instead.

70.4146, 84.0733,
85.1896

70.4146, 84.0733,
85.1896

451.2481,
508.5566, 532.4162

52.1454, 63.0760,
63.4470

118.8229,
139.0777, 142.5146

37.3457, 45.9027,
45.7596

149.6927,
173.8536, 178.9340

25.6502, 32.1690,
31.7089

185.4934,
213.9910, 221.0828

16.6934, 21.4906,
20.8763

226.5904,
259.8745, 269.3795

10.1101, 13.4831,
12.8432

273.3490,
311.8884, 324.2427

5.5349, 7.7620,
7.1912

326.1346,

2.6023, 3.9431,

370.4172, 386.0908

3.5017

385.3125,
435.8451, 455.3425

0.9471, 1.6418,
1.3562

0.0000, 0.3855,
0.1072

70.4146, 84.0733,
85.1896

70.4146, 84.0733,
85.1896

63.0765, 80.4488,
77.7941

78.9006, 88.2847,
93.0678

56.8265, 77.3737,
70.8661

88.5768, 93.0979,
101.4325

51.6099, 74.8222,
64.3973

92.5523, 95.0046,
108.0674

47.3642, 72.7623,
58.3772

■ 44.0197, 71.1583,
52.7947

■ 41.4972, 69.9693,
47.6380

■ 39.7022, 69.1471,
42.8944

■ 38.4820, 68.6131,
38.5481

■ 38.4644, 68.6054,
38.4811

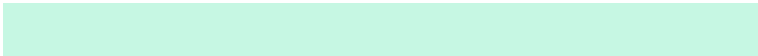
Harmonies

Analogous

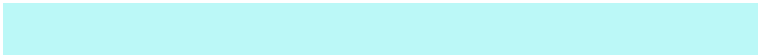
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7015, 84.0733, 73.1294



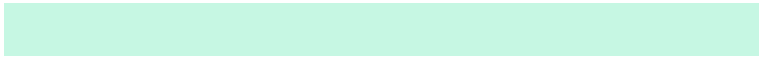
70.4146, 84.0733, 85.1896



70.5897, 84.0733, 100.3495

Triad

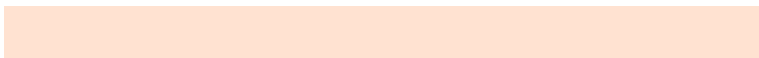
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.4146, 84.0733, 85.1896



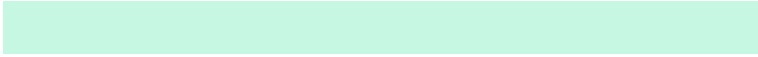
82.9282, 84.0733, 122.2514



87.0263, 84.0733, 71.8544

Complementary

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



70.4146, 84.0733, 85.1896



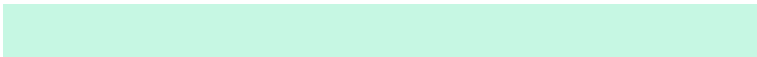
71.2097, 65.2265, 75.1701

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.



90.0147, 84.0733, 83.2647



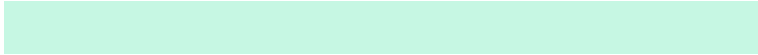
70.4146, 84.0733, 85.1896



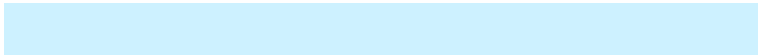
87.5781, 84.0733, 112.8106

Square

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



70.4146, 84.0733, 85.1896



77.6593, 84.0733, 122.9138



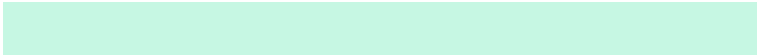
90.2210, 84.0733, 98.2016



82.2020, 84.0733, 66.0208

Rectangle

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



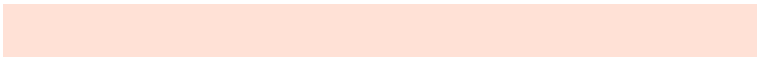
70.4146, 84.0733, 85.1896



72.0779, 84.0733, 110.2177



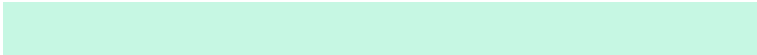
90.2210, 84.0733, 98.2016



88.2880, 84.0733, 75.1041

Sweetspot

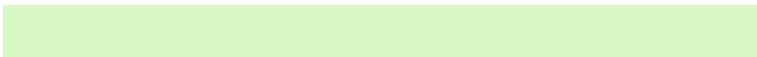
The Sweet Spot groups the original color and five complimentary colors.



70.4170, 84.0768, 85.1915



88.6540, 96.8170, 103.4369



72.4948, 85.5722, 66.1236



18.8327, 20.6518, 22.0149



0.0000, 0.0000, 0.0000



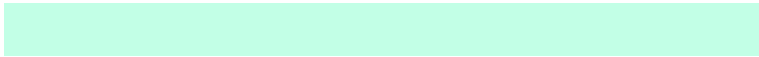
20.3446, 21.4041, 23.3091

Same Dimension

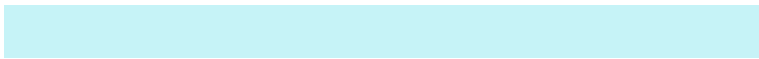
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.4170, 84.0768, 85.1915



72.2423, 88.6771, 88.1849



72.1056, 82.7759, 100.1767



16.6938, 18.6366, 19.6717



20.4139, 36.3104, 20.7311



1.8451, 3.2117, 2.0902

Inverse Universe

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



71.2097, 65.2265, 75.1701



73.2448, 64.8576, 75.5258



69.6935, 66.1337, 62.5192



16.7795, 16.5947, 18.5856



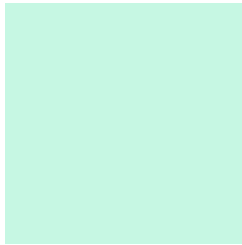
21.5902, 10.9795, 7.8165



1.9472, 0.9849, 0.9484

Previews

White Background



This preview shows how the XYZ color 70.4146, 84.0733, 85.1896 looks on a white background.

Color Contrast Check

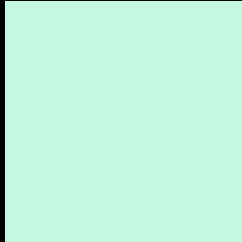
Large Text (above 18pt) WCAG AA × Fail

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 70.4146, 84.0733, 85.1896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

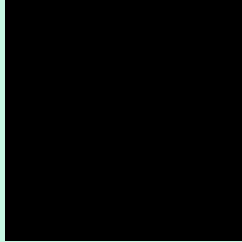
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

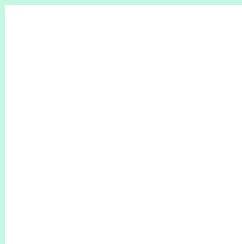
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.4146, 84.0733, 85.1896

Background



This preview shows how black text looks on a background with the XYZ color 70.4146, 84.0733, 85.1896.



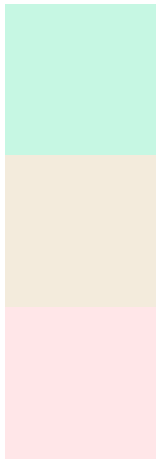
This preview shows how white text looks on a background with the XYZ color 70.4146, 84.0733,

85.1896.

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

70.4146, 84.0733, 85.1896

Protanopia

79.5887, 83.6387, 79.6592

Deuteranopia

84.1023, 83.6798, 88.0631



Tritanopia

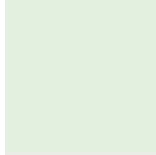
76.6507, 83.6863, 106.7209

Trichromacy



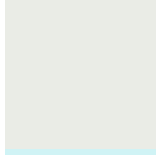
Original Color

70.4146, 84.0733, 85.1896



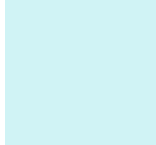
Protanomaly

75.8643, 83.3916, 81.9098



Deuteranomaly

78.2101, 83.1965, 86.7993



Tritanomaly

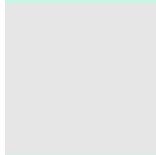
74.5444, 84.1037, 98.6909

Monochromacy



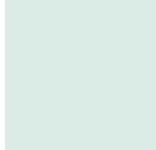
Original Color

70.4146, 84.0733, 85.1896



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.0518, 80.5535, 85.8269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.4146, 84.0733, 85.1896 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, 247, 227)` looks like.

```
.text, #text, p{  
    color:rgb(198, 247, 227)  
}
```

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, 247, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 247, 227) }
```

Border

The CSS property to change the border of an element to XYZ 70.4146, 84.0733, 85.1896 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, 247, 227) }
```


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

```
.border{ border-color:rgb(198, 247, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 247, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 247, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 247, 227);  
box-shadow:4px 4px 4px 4px rgb(198, 247,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 70.4146, 84.0733, 85.1896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 247, 227) }
```

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

```
.background{ background-color: rgb(198,  
247, 227) }
```

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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