

Converting Colors

XYZ(70.4033, 84.0928, 84.7974)

Have a look what the booklet for
XYZ(70.4033, 84.0928, 84.7974)
contains.

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Color

**XYZ(70.2769, 84.0183,
84.4647)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F7E2
RGB	198, 247, 226
RGB Percent	78%, 97%, 89%
CMY	0.2235, 0.0314, 0.1137
CMYK	0.20, 0.00, 0.09, 0.03
HSL	154°, 75%, 87%
HSV	154°, 20%, 97%
XYZ	70.2769, 84.0183, 84.4647
YIQ	229.9550, -22.4630, -16.9190

Conversions

Conversions Part 2

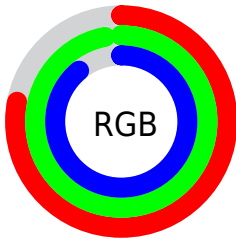
Format	Color
RYB	198, 229, 247
Decimal	13039586
CIELab	93.46, -19.68, 4.95
CIELCh	93, 20.290, 165.867
Yxy	84.0183, 0.2943, 0.3519
Android (android.graphics.Color)	4291229666 (0xFFC6F7E2)
YUV	229.9550, -1.9498, -28.0245
Hunter-Lab	91.6615, -23.5516, 9.5282

Details

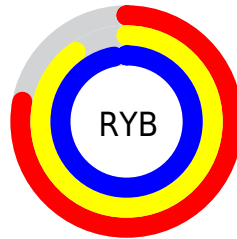
The XYZ color **70.2769, 84.0183, 84.4647** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.3409, 65.2788, 75.8613**, and the grayscale version is **75.2083, 79.1250, 86.1671**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.3092, 46.0415, 45.4486** is the 20% darker color. If you saturate the color by 10%, you get **62.8818, 80.3710, 76.7689**, and if you desaturate by 10%, it is **78.8282, 88.2558, 92.6865**.

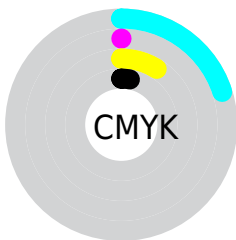
Distribution



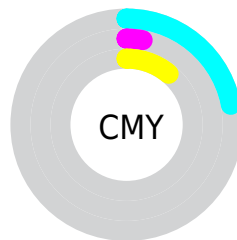
- Red (78%)
- Green (97%)
- Blue (89%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2769, 84.0183, 84.4647 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 70.2769, 84.0183, 84.4647 by changing the saturation by 10% instead.


 70.2769, 84.0183,
84.4647

 70.2769, 84.0183,
84.4647


450.7729,
508.3740, 529.9534

 52.0327, 63.0305,
62.8516


118.6277,
139.0008, 141.4926

 37.2555, 45.8659,
45.2809


149.4650,
173.7643, 177.7444

 25.5800, 32.1400,
31.3342


185.2307,
213.8885, 219.7128

 16.6407, 21.4685,
20.5929

226.2902,
259.7578, 267.8164

 10.0724, 13.4669,
12.6384

273.0088,
311.7566, 322.4737

 5.5096, 7.7508,
7.0522

325.7519,

 2.5871, 3.9359,

370.2693, 384.1033

3.4158

384.8848,
435.6803, 453.1237

■ 0.9394, 1.6378,
1.3107

■ 0.0000, 0.3829,
0.0705

■ 70.2769, 84.0183,
84.4647

■ 70.2769, 84.0183,
84.4647

■ 62.8818, 80.3710,
76.7689

■ 78.8282, 88.2558,
92.6865

■ 56.5828, 77.2763,
69.5825

■ 88.5780, 93.0984,
101.4391

■ 51.3248, 74.7083,
62.8962

■ 92.5524, 95.0047,
108.0675

■ 47.0453, 72.6348,
56.6981

■ 43.6743, 71.0202,
50.9758

■ 41.1322, 69.8235,
45.7162

■ 39.3245, 68.9961,
40.9051

■ 38.0979, 68.4595,
36.5252

■ 38.0802, 68.4519,
36.4581

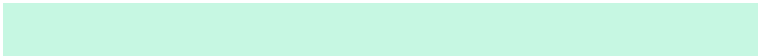
Harmonies

Analogous

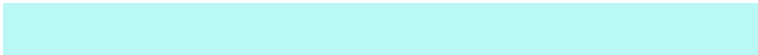
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6882, 84.0183, 72.4357



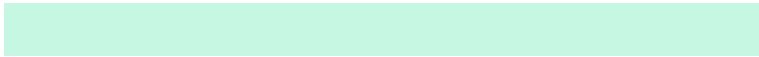
70.2769, 84.0183, 84.4647



70.3511, 84.0183, 99.7884

Triad

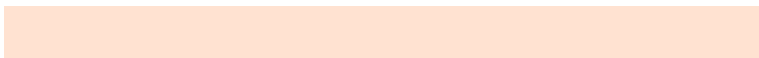
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.2769, 84.0183, 84.4647



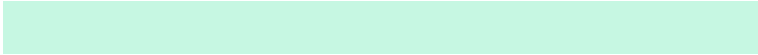
82.7070, 84.0183, 122.8997



87.2478, 84.0183, 71.8964

Complementary

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



70.2769, 84.0183, 84.4647



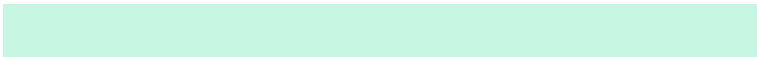
71.3409, 65.2788, 75.8613

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.



90.1826, 84.0183, 83.6492



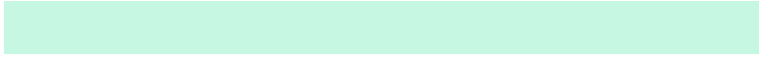
70.2769, 84.0183, 84.4647



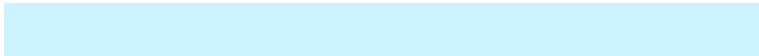
87.4820, 84.0183, 113.6038

Square

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



70.2769, 84.0183, 84.4647



77.3676, 84.0183, 123.1814



90.2701, 84.0183, 98.8768



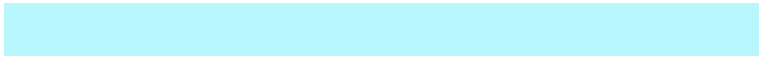
82.3990, 84.0183, 65.7481

Rectangle

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



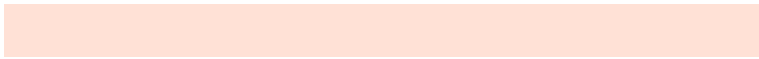
70.2769, 84.0183, 84.4647



71.7954, 84.0183, 109.8814



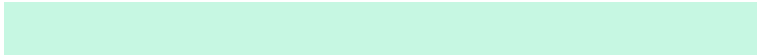
90.2701, 84.0183, 98.8768



88.5002, 84.0183, 75.2599

Sweetspot

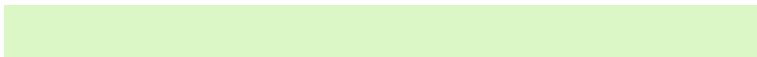
The Sweet Spot groups the original color and five complimentary colors.



70.2792, 84.0218, 84.4666



88.6054, 96.7976, 103.1809



72.7403, 85.6988, 66.1349



18.8212, 20.6472, 21.9544



0.0000, 0.0000, 0.0000



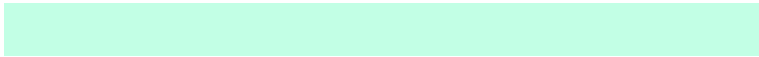
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2792, 84.0218, 84.4666



72.0675, 88.6071, 87.2644



72.3505, 83.2657, 100.2585



16.6790, 18.6307, 19.5941



20.2110, 36.2293, 19.6629



1.8278, 3.2048, 1.9990

Inverse Universe

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



71.3409, 65.2788, 75.8613



73.4097, 64.9235, 76.3940



69.5022, 65.7511, 62.4552



16.7940, 16.6004, 18.6615



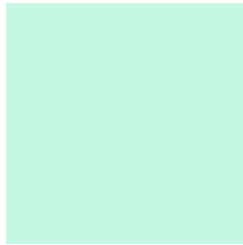
21.7262, 11.0339, 8.5326



1.9599, 0.9899, 1.0153

Previews

White Background



This preview shows how the XYZ color 70.2769, 84.0183, 84.4647 looks on a white background.

Color Contrast Check

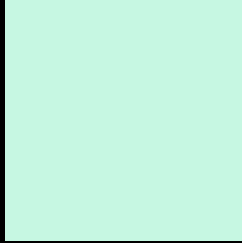
Large Text (above 18pt) WCAG AA × Fail

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 70.2769, 84.0183, 84.4647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

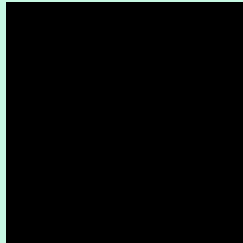
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

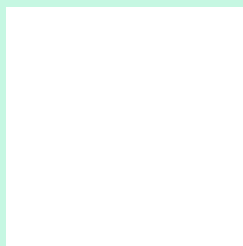
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2769, 84.0183, 84.4647

Background



This preview shows how black text looks on a background with the XYZ color 70.2769, 84.0183, 84.4647.

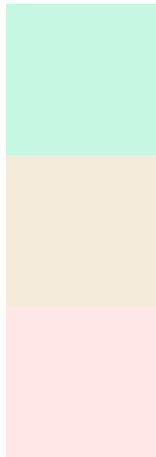


This preview shows how white text looks on a background with the XYZ color 70.2769, 84.0183,

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

70.2769, 84.0183, 84.4647

Protanopia

79.8027, 83.7642, 78.9799

Deuteranopia

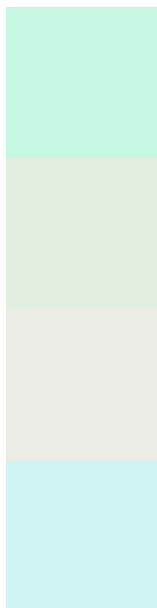
83.9606, 83.6232, 87.3170



Tritanopia

76.6507, 83.6863, 106.7209

Trichromacy



Original Color

70.2769, 84.0183, 84.4647

Protanomaly

75.7299, 83.3378, 81.2017

Deuteranomaly

78.0700, 83.1405, 86.0617

Tritanomaly

74.3922, 84.0427, 97.8889

Monochromacy



Original Color

70.2769, 84.0183, 84.4647

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 70.2769, 84.0183, 84.4647 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(198, 247, 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(198, 247, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 247, 226) }
```

Border

The CSS property to change the border of an element to XYZ 70.2769, 84.0183, 84.4647 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, 226) }
```


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

```
.border{ border-color:rgb(198, 247, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 247, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 247, 226);  
box-shadow:4px 4px 4px 4px rgb(198, 247,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2769, 84.0183, 84.4647 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, 226) }
```

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

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