

Converting Colors

XYZ(68.1840, 84.2159, 83.0797)

Have a look what the booklet for
XYZ(68.1840, 84.2159, 83.0797)
contains.

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Color

**XYZ(68.3792, 84.4444,
83.2164)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFAE0
RGB	188, 250, 224
RGB Percent	74%, 98%, 88%
CMY	0.2627, 0.0196, 0.1216
CMYK	0.25, 0.00, 0.10, 0.02
HSL	155°, 86%, 86%
HSV	155°, 25%, 98%
XYZ	68.3792, 84.4444, 83.2164
YIQ	228.4980, -28.6060, -21.2300

Conversions

Conversions Part 2

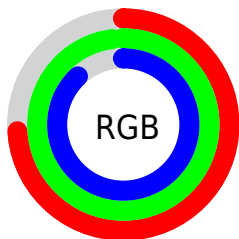
Format	Color
RYB	188, 227, 250
Decimal	12384992
CIELab	93.64, -24.58, 6.18
CIELCh	94, 25.344, 165.881
Yxy	84.4444, 0.2897, 0.3578
Android (android.graphics.Color)	4290575072 (0xFFBCFAE0)
YUV	228.4980, -2.2175, -35.5167
Hunter-Lab	91.8936, -27.9898, 10.6341

Details

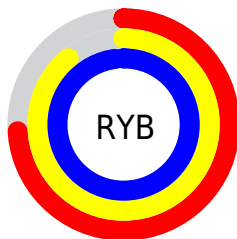
The XYZ color **68.3792, 84.4444, 83.2164** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.5481, 61.1476, 71.7591**, and the grayscale version is **74.1402, 78.0013, 84.9434**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **35.9043, 45.9910, 44.5209** is the 20% darker color. If you saturate the color by 10%, you get **61.3678, 80.9914, 75.6938**, and if you desaturate by 10%, it is **76.5499, 88.4894, 91.2546**.

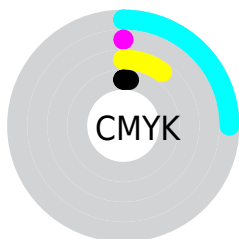
Distribution



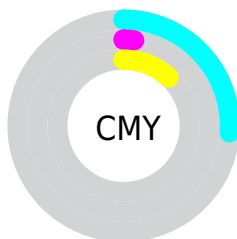
- Red (74%)
- Green (98%)
- Blue (88%)



- Red (74%)
- Yellow (89%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (26%)
- Magenta (2%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3792, 84.4444, 83.2164 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 68.3792, 84.4444, 83.2164 by changing the saturation by 10% instead.


 68.3792, 84.4444,
83.2164

 68.3792, 84.4444,
83.2164


444.1941,
509.7878, 525.6973

 50.4811, 63.3824,
61.8270


 115.9334,
139.5967, 139.7304

 36.0152, 46.1506,
44.4581


146.3202,
174.4557, 175.6922

 24.6161, 32.3647,
30.6910


181.6006,
214.6826, 217.3485

 15.9185, 21.6402,
20.1071

222.1399,
260.6616, 265.1180

 9.5569, 13.5928,
12.2881

268.3036,
312.7773, 319.4190

 5.1662, 7.8380,
6.8153

320.4569,

 2.3809, 3.9915,

371.4139, 380.6702

3.2702

378.9653,
436.9560, 449.2901

■ 0.8356, 1.6688,
1.2342

■ 0.0000, 0.4033,
0.0069

■ 68.3792, 84.4444,
83.2164

■ 68.3792, 84.4444,
83.2164

■ 61.3678, 80.9914,
75.6938

■ 76.5499, 88.4894,
91.2546

■ 55.4519, 78.0910,
68.6704

■ 85.9253, 93.1429,
99.8131

■ 50.5725, 75.7152,
62.1367

■ 93.4772, 96.8543,
108.3757

■ 46.6616, 73.8290,
56.0808

■ 43.6429, 72.3934,
50.4904

■ 41.4276, 71.3628,
45.3519

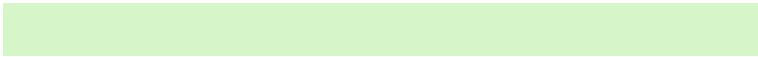
■ 39.9072, 70.6815,
40.6509

■ 39.3100, 70.4235,
38.3724

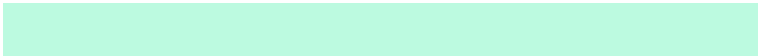
Harmonies

Analogous

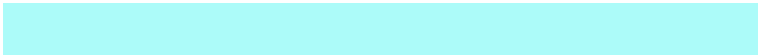
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3442, 84.4444, 68.5292



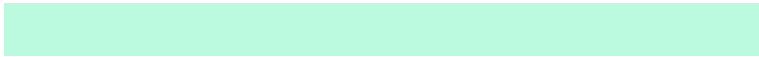
68.3792, 84.4444, 83.2164



68.4716, 84.4444, 102.4409

Triad

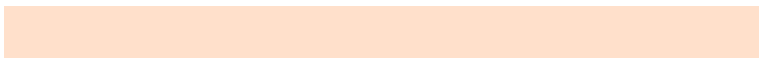
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3792, 84.4444, 83.2164



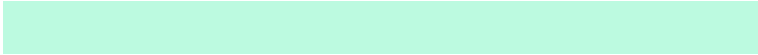
83.8474, 84.4444, 132.2991



89.5908, 84.4444, 67.8703

Complementary

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



68.3792, 84.4444, 83.2164



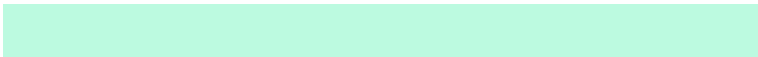
69.5481, 61.1476, 71.7591

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.



93.3334, 84.4444, 82.1928



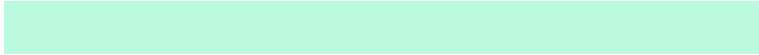
68.3792, 84.4444, 83.2164



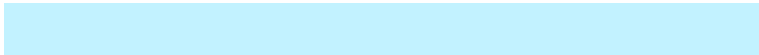
89.8933, 84.4444, 120.1675

Square

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



68.3792, 84.4444, 83.2164



77.1530, 84.4444, 132.6746



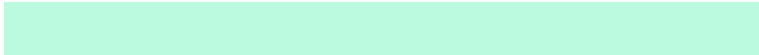
93.4471, 84.4444, 101.2648



83.4531, 84.4444, 60.5426

Rectangle

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



68.3792, 84.4444, 83.2164



70.2475, 84.4444, 115.3681



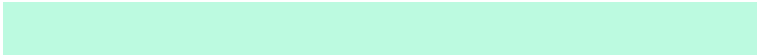
93.4471, 84.4444, 101.2648



91.1854, 84.4444, 71.9294

Sweetspot

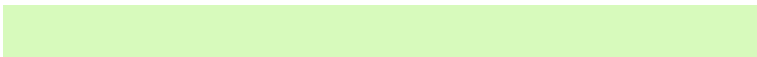
The Sweet Spot groups the original color and five complimentary colors.



68.3816, 84.4479, 83.2183



87.6031, 96.2975, 102.3822



71.2507, 86.4327, 60.5061



18.6197, 20.5466, 21.7964



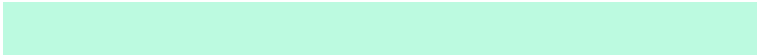
0.0000, 0.0000, 0.0000



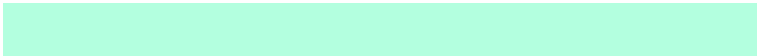
20.3446, 21.4041, 23.3091

Same Dimension

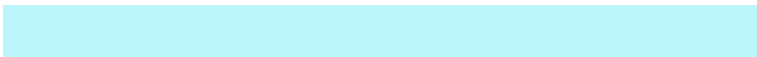
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3816, 84.4479, 83.2183



67.5431, 86.3675, 82.8640



70.9124, 83.4275, 102.8122



17.4400, 19.4783, 20.5176



20.9238, 37.3825, 20.7398



1.9908, 3.4834, 2.1994

Inverse Universe

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



69.5481, 61.1476, 71.7591



68.9657, 57.9824, 68.9112



67.3829, 61.7148, 55.9389



17.5466, 17.3460, 19.4680



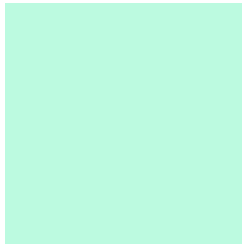
22.3282, 11.3470, 8.4369



2.1196, 1.0716, 1.0530

Previews

White Background



This preview shows how the XYZ color 68.3792, 84.4444, 83.2164 looks on a white background.

Color Contrast Check

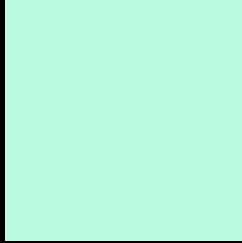
Large Text (above 18pt) WCAG AA × Fail

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 68.3792, 84.4444, 83.2164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

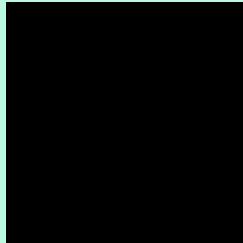
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

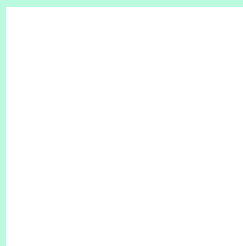
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3792, 84.4444, 83.2164

Background



This preview shows how black text looks on a background with the XYZ color 68.3792, 84.4444, 83.2164.



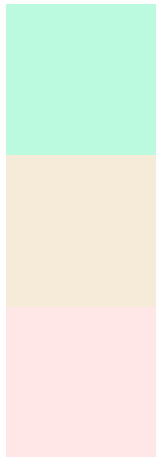
This preview shows how white text looks on a background with the XYZ color 68.3792, 84.4444,

83.2164.

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

68.3792, 84.4444, 83.2164

Protanopia

79.7592, 83.7870, 76.9345

Deuteranopia

83.9606, 83.6232, 87.3170



Tritanopia

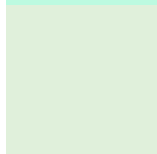
76.3805, 84.4259, 106.8779

Trichromacy



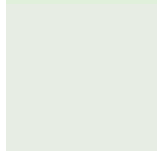
Original Color

68.3792, 84.4444, 83.2164



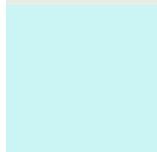
Protanomaly

74.6867, 83.2819, 79.1564



Deuteranomaly

77.2428, 83.1587, 85.3789



Tritanomaly

73.3387, 84.3930, 98.0121

Monochromacy



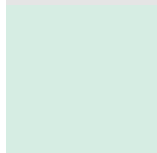
Original Color

68.3792, 84.4444, 83.2164



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.8809, 80.4106, 84.4053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3792, 84.4444, 83.2164 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(188, 250, 224)` looks like.

```
.text, #text, p{  
    color:rgb(188, 250, 224)  
}
```

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(188, 250, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 250, 224) }
```

Border

The CSS property to change the border of an element to XYZ 68.3792, 84.4444, 83.2164 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(188, 250, 224) }
```


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

```
.border{ border-color:rgb(188, 250, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 250, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 250, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 250, 224);  
box-shadow:4px 4px 4px 4px rgb(188, 250,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3792, 84.4444, 83.2164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 250, 224) }
```

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

```
.background{ background-color: rgb(188,  
250, 224) }
```

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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