

Converting Colors

XYZ(67.1800, 81.4897, 85.5847)

Have a look what the booklet for
XYZ(67.1800, 81.4897, 85.5847)
contains.

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Color

**XYZ(67.1495, 81.4710,
85.5851)**

Conversions

Conversions Part 1

Format	Color
Hex	BBF5E4
RGB	187, 245, 228
RGB Percent	73%, 96%, 89%
CMY	0.2667, 0.0392, 0.1059
CMYK	0.24, 0.00, 0.07, 0.04
HSL	162°, 74%, 85%
HSV	162°, 24%, 96%
XYZ	67.1495, 81.4710, 85.5851
YIQ	225.7200, -29.1110, -17.5830

Conversions

Conversions Part 2

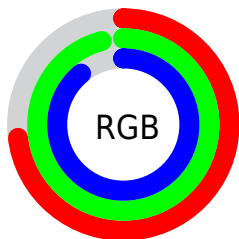
Format	Color
RYB	187, 221, 245
Decimal	12318180
CIELab	92.34, -21.67, 2.22
CIELCh	92, 21.781, 174.154
Yxy	81.4710, 0.2867, 0.3479
Android (android.graphics.Color)	4290508260 (0xFFBBF5E4)
YUV	225.7200, 1.1240, -33.9574
Hunter-Lab	90.2613, -25.1629, 6.9646

Details

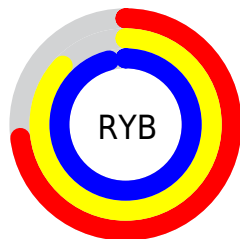
The XYZ color **67.1495, 81.4710, 85.5851** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.3284, 59.3149, 65.0832**, and the grayscale version is **72.0956, 75.8501, 82.6008**.

A 20% lighter version of the original color is **91.1182, 97.9731, 108.7160**, and **35.4133, 44.3989, 46.2385** is the 20% darker color. If you saturate the color by 10%, you get **60.6834, 78.2526, 80.1866**, and if you desaturate by 10%, it is **74.6841, 85.2398, 91.2533**.

Distribution



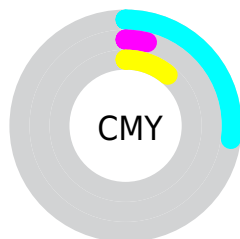
- Red (73%)
- Green (96%)
- Blue (89%)



- Red (73%)
- Yellow (87%)
- Blue (96%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (27%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1495, 81.4710, 85.5851 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 67.1495, 81.4710, 85.5851 by changing the saturation by 10% instead.

67.1495, 81.4710,
85.5851

67.1495, 81.4710,
85.5851

439.9008,
499.8765, 533.7571

49.4773, 60.9296,
63.7720

114.1832,
135.4319, 143.0718

35.2143, 44.1683,
46.0210

144.2754,
169.6202, 179.5824

23.9953, 30.8029,
31.9136

179.2383,
209.1262, 221.8294

15.4549, 20.4488,
21.0313

219.4373,
254.3344, 270.2311

9.2276, 12.7217,
12.9554

265.2377,
305.6291, 325.2063

4.9482, 7.2372,
7.2675

317.0048,

2.2514, 3.6109,

363.3948, 387.1733

3.5490

375.1041,
428.0158, 456.5507

0.7696, 1.4584,
1.3813

0.0000, 0.2591,
0.1271

67.1495, 81.4710,
85.5851

67.1495, 81.4710,
85.5851

60.6834, 78.2526,
80.1866

74.6841, 85.2398,
91.2533

55.2267, 75.5477,
75.0473

83.3291, 89.5740,
97.1906

50.7245, 73.3302,
70.1636

91.0784, 93.4415,
103.3072

47.1143, 71.5678,
65.5301

91.9439, 93.7877,
107.8646

■ 44.3254, 70.2244,
61.1405

■ 42.2763, 69.2578,
56.9884

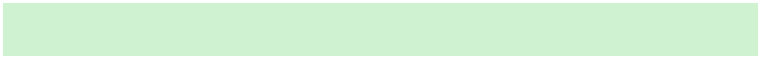
■ 40.8676, 68.6169,
53.0662

■ 40.2144, 68.3320,
50.6981

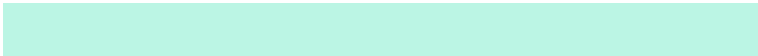
Harmonies

Analogous

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



68.9808, 81.4710, 71.7491



67.1495, 81.4710, 85.5851



67.9642, 81.4710, 102.0212

Triad

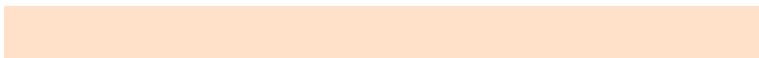
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.1495, 81.4710, 85.5851



81.9545, 81.4710, 120.1409



83.9556, 81.4710, 65.8573

Complementary

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



67.1495, 81.4710, 85.5851



66.3284, 59.3149, 65.0832

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.



87.7487, 81.4710, 76.6066



67.1495, 81.4710, 85.5851



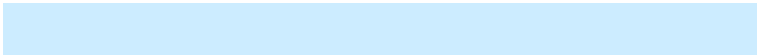
86.5548, 81.4710, 108.1486

Square

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



67.1495, 81.4710, 85.5851



76.3375, 81.4710, 123.2963



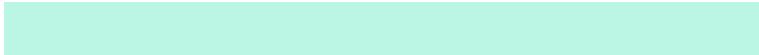
88.7222, 81.4710, 91.9061



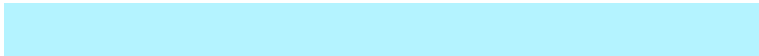
78.5445, 81.4710, 61.2812

Rectangle

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



67.1495, 81.4710, 85.5851



69.9193, 81.4710, 112.1270



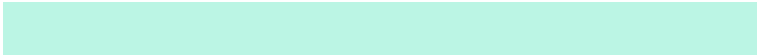
88.7222, 81.4710, 91.9061



85.4725, 81.4710, 68.8005

Sweetspot

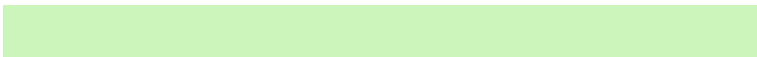
The Sweet Spot groups the original color and five complimentary colors.



67.1518, 81.4744, 85.5869



87.9540, 96.4379, 104.2301



66.6362, 81.7901, 59.2900



18.7010, 20.5791, 22.2248



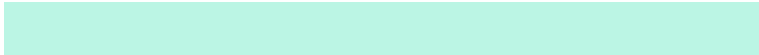
0.0000, 0.0000, 0.0000



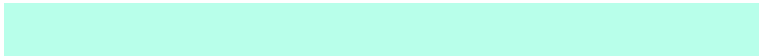
20.3446, 21.4041, 23.3091

Same Dimension

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



67.1518, 81.4744, 85.5869



70.2928, 87.6055, 91.0990



66.2298, 75.6650, 97.5042



16.7776, 18.6702, 20.1130



21.7268, 36.8356, 27.6447



1.9543, 3.2554, 2.6652

Inverse Universe

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



66.3284, 59.3149, 65.0832



69.2603, 59.7602, 65.3453



66.9599, 63.6656, 55.7746



16.6989, 16.5624, 18.1612



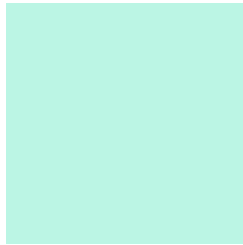
20.9655, 10.7296, 4.5265



1.8856, 0.9602, 0.6242

Previews

White Background



This preview shows how the XYZ color 67.1495, 81.4710, 85.5851 looks on a white background.

Color Contrast Check

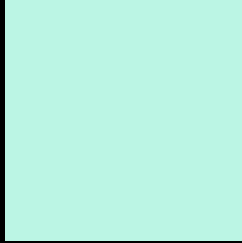
Large Text (above 18pt) WCAG AA × Fail

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 67.1495, 81.4710, 85.5851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

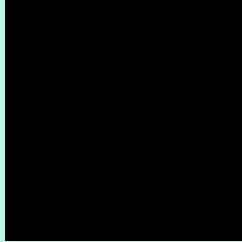
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

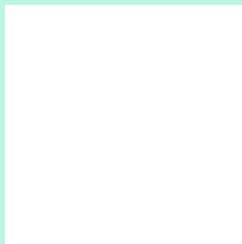
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1495, 81.4710, 85.5851

Background



This preview shows how black text looks on a background with the XYZ color 67.1495, 81.4710, 85.5851.



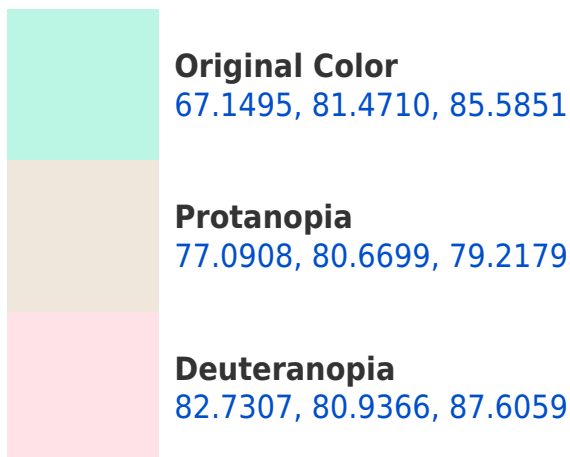
This preview shows how white text looks on a background with the XYZ color 67.1495, 81.4710,

85.5851.

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

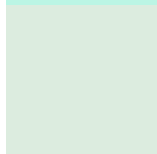
73.0039, 81.3705, 106.4661

Trichromacy



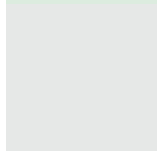
Original Color

67.1495, 81.4710, 85.5851



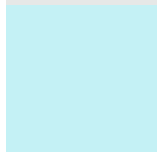
Protanomaly

72.8299, 80.5343, 81.5182



Deuteranomaly

75.9135, 80.3057, 87.1008



Tritanomaly

70.7017, 81.2389, 98.3405

Monochromacy



Original Color

67.1495, 81.4710, 85.5851



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.1554, 77.8209, 83.9964

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1495, 81.4710, 85.5851 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(187, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(187, 245, 228)  
}
```

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(187, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 245, 228) }
```

Border

The CSS property to change the border of an element to XYZ 67.1495, 81.4710, 85.5851 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(187, 245, 228) }
```


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

```
.border{ border-color:rgb(187, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 245, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 245, 228); box-shadow:4px 4px 4px 4px rgb(187, 245, 228) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1495, 81.4710, 85.5851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 245, 228) }
```

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

```
.background{ background-color: rgb(187,  
245, 228) }
```

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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