

Converting Colors

XYZ(67.8374, 81.9627, 86.5049)

Have a look what the booklet for
XYZ(67.8374, 81.9627, 86.5049)
contains.

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Color

**XYZ(67.7815, 81.7808,
86.3415)**

Conversions

Conversions Part 1

Format	Color
Hex	BDF5E5
RGB	189, 245, 229
RGB Percent	74%, 96%, 90%
CMY	0.2588, 0.0392, 0.1020
CMYK	0.23, 0.00, 0.07, 0.04
HSL	163°, 74%, 85%
HSV	163°, 23%, 96%
XYZ	67.7815, 81.7808, 86.3415
YIQ	226.4320, -28.2400, -16.8480

Conversions

Conversions Part 2

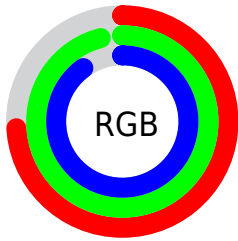
Format	Color
R_{YB}	189, 222, 245
Decimal	12449253
CIE _{Lab}	92.48, -20.87, 1.91
CIE _{LCh}	92, 20.953, 174.763
Yxy	81.7808, 0.2873, 0.3467
Android (android.graphics.Color)	4290639333 (0xFFBDF5E5)
YUV	226.4320, 1.2660, -32.8279
Hunter-Lab	90.4327, -24.4673, 6.6952

Details

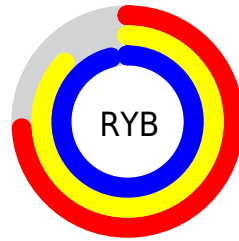
The XYZ color **67.7815, 81.7808, 86.3415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.8761, 60.2175, 65.8594**, and the grayscale version is **72.6090, 76.3904, 83.1891**.

A 20% lighter version of the original color is **91.8160, 98.3328, 108.7487**, and **35.8293, 44.6021, 46.7651** is the 20% darker color. If you saturate the color by 10%, you get **61.2524, 78.5278, 81.0366**, and if you desaturate by 10%, it is **75.3813, 85.5856, 91.9058**.

Distribution



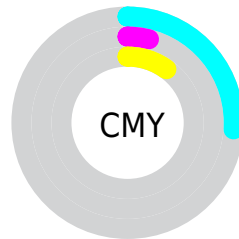
- Red (74%)
- Green (96%)
- Blue (90%)



- Red (74%)
- Yellow (87%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (26%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7815, 81.7808, 86.3415 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 67.7815, 81.7808, 86.3415 by changing the saturation by 10% instead.

67.7815, 81.7808,
86.3415

67.7815, 81.7808,
86.3415

442.1103,
500.9142, 536.3165

49.9930, 61.1849,
64.3939

115.0831,
135.8666, 144.1367

35.6256, 44.3744,
46.5216

145.3270,
170.1252, 180.8214

24.3140, 30.9649,
32.3060

180.4534,
209.7068, 223.2555

15.6927, 20.5722,
21.3285

220.8276,
254.9959, 271.8576

9.3964, 12.8116,
13.1708

266.8151,
306.3768, 327.0462

5.0598, 7.2990,
7.4142

318.7811,

2.3175, 3.6498,

364.2338, 389.2399

3.6401

377.0911,
428.9515, 458.8571

0.8036, 1.4796,
1.4300

0.0000, 0.2743,
0.1650

67.7815, 81.7808,
86.3415

67.7815, 81.7808,
86.3415

61.2524, 78.5278,
81.0366

75.3813, 85.5856,
91.9058

55.7350, 75.7897,
75.9808

84.0932, 89.9568,
97.7285

51.1751, 73.5407,
71.1708

91.1501, 93.4703,
103.6844

47.5106, 71.7489,
66.6012

91.9439, 93.7878,
107.8646

■ 44.6716, 70.3784,
62.2663

■ 42.5778, 69.3877,
58.1596

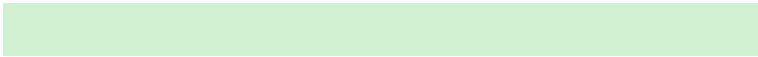
■ 41.1316, 68.7267,
54.2741

■ 40.3911, 68.4027,
51.6280

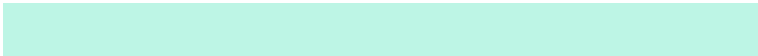
Harmonies

Analogous

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



69.5037, 81.7808, 72.8704



67.7815, 81.7808, 86.3415



68.6222, 81.7808, 102.1783

Triad

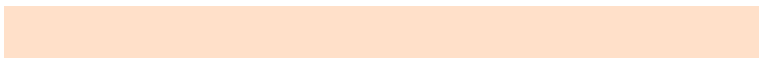
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7815, 81.7808, 86.3415



82.1899, 81.7808, 119.0793



83.9166, 81.7808, 66.7700

Complementary

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



67.7815, 81.7808, 86.3415



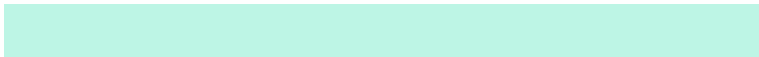
66.8761, 60.2175, 65.8594

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.



87.6105, 81.7808, 77.0889



67.7815, 81.7808, 86.3415



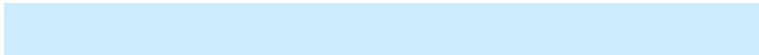
86.5815, 81.7808, 107.4525

Square

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



67.7815, 81.7808, 86.3415



76.7803, 81.7808, 122.2964



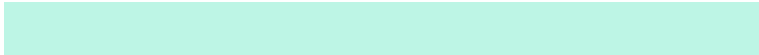
88.6076, 81.7808, 91.8051



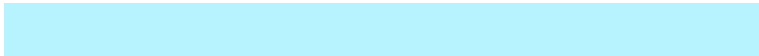
78.6879, 81.7808, 62.4441

Rectangle

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



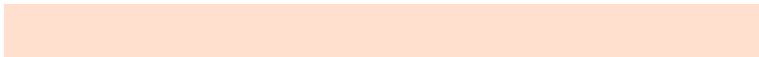
67.7815, 81.7808, 86.3415



70.5441, 81.7808, 111.8257



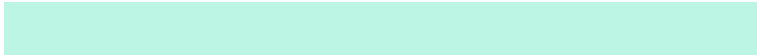
88.6076, 81.7808, 91.8051



85.3884, 81.7808, 69.5901

Sweetspot

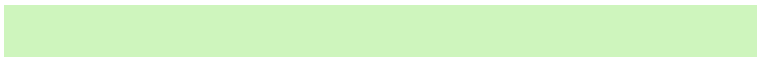
The Sweet Spot groups the original color and five complimentary colors.



67.7838, 81.7842, 86.3433



87.9747, 96.4462, 104.3389



67.2384, 82.0757, 60.4437



18.7058, 20.5810, 22.2500



0.0000, 0.0000, 0.0000



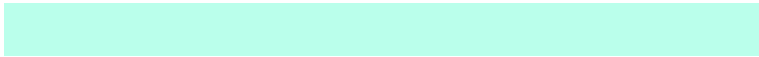
20.3446, 21.4041, 23.3091

Same Dimension

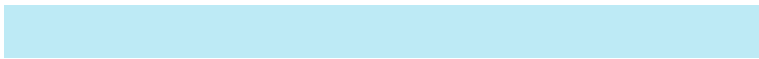
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7838, 81.7842, 86.3433



71.0887, 87.9949, 92.0820



66.8362, 76.1463, 97.5653



16.7830, 18.6723, 20.1416



21.8211, 36.8733, 28.1416



1.9620, 3.2585, 2.7057

Inverse Universe

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



66.8761, 60.2175, 65.8594



69.9498, 60.8888, 66.3467



67.5447, 64.4901, 57.0332



16.6938, 16.5604, 18.1342



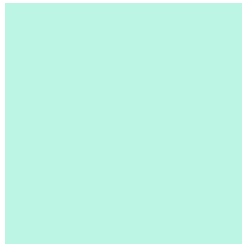
20.9332, 10.7167, 4.3568



1.8823, 0.9589, 0.6064

Previews

White Background



This preview shows how the XYZ color 67.7815, 81.7808, 86.3415 looks on a white background.

Color Contrast Check

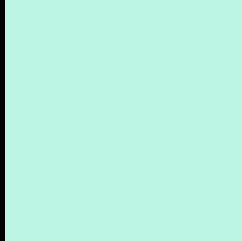
Large Text (above 18pt) WCAG AA × Fail

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 67.7815, 81.7808, 86.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

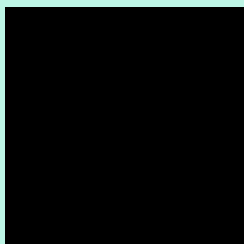
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

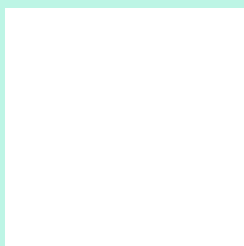
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7815, 81.7808, 86.3415

Background



This preview shows how black text looks on a background with the XYZ color 67.7815, 81.7808, 86.3415.

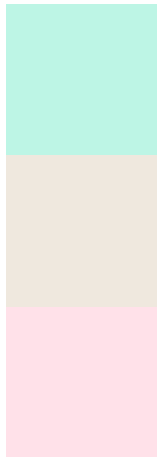


This preview shows how white text looks on a background with the XYZ color 67.7815, 81.7808,

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

67.7815, 81.7808, 86.3415

Protanopia

77.6380, 81.3379, 80.7151

Deuteranopia

82.8732, 80.9936, 88.3562



Tritanopia

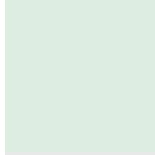
73.5451, 81.6495, 106.4914

Trichromacy



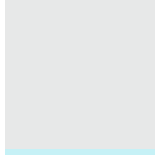
Original Color

67.7815, 81.7808, 86.3415



Protanomaly

73.6936, 81.3768, 83.0574



Deuteranomaly

76.3771, 80.5283, 87.8620



Tritanomaly

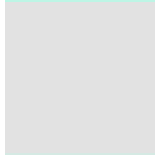
71.3786, 81.5702, 99.1713

Monochromacy



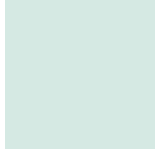
Original Color

67.7815, 81.7808, 86.3415



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.4446, 77.9700, 84.0099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7815, 81.7808, 86.3415 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(189, 245, 229)` looks like.

```
.text, #text, p{  
    color:rgb(189, 245, 229)  
}
```

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(189, 245, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 245, 229) }
```

Border

The CSS property to change the border of an element to XYZ 67.7815, 81.7808, 86.3415 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(189, 245, 229) }
```


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

```
.border{ border-color:rgb(189, 245, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 245, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 245, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 245, 229);  
box-shadow:4px 4px 4px 4px rgb(189, 245,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7815, 81.7808, 86.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 245, 229) }
```

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

```
.background{ background-color: rgb(189,  
245, 229) }
```

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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