

Converting Colors

XYZ(67.8555, 83.6683, 86.9956)

Have a look what the booklet for
XYZ(67.8555, 83.6683, 86.9956)
contains.

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Color

**XYZ(67.7857, 83.5989,
86.6922)**

Conversions

Conversions Part 1

Format	Color
Hex	B8F9E5
RGB	184, 249, 229
RGB Percent	72%, 98%, 90%
CMY	0.2784, 0.0235, 0.1020
CMYK	0.26, 0.00, 0.08, 0.02
HSL	162°, 84%, 85%
HSV	162°, 26%, 98%
XYZ	67.7857, 83.5989, 86.6922
YIQ	227.2850, -32.3200, -20.0000

Conversions

Conversions Part 2

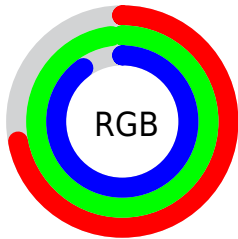
Format	Color
RYB	184, 222, 249
Decimal	12122597
CIELab	93.28, -24.30, 3.04
CIElCh	93, 24.485, 172.872
Yxy	83.5989, 0.2847, 0.3511
Android (android.graphics.Color)	4290312677 (0xFFB8F9E5)
YUV	227.2850, 0.8455, -37.9609
Hunter-Lab	91.4324, -27.6714, 7.7865

Details

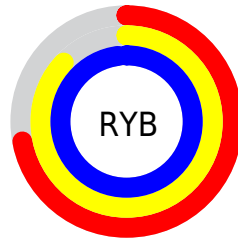
The XYZ color **67.7857, 83.5989, 86.6922** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.1094, 58.7825, 64.9394**, and the grayscale version is **73.2339, 77.0477, 83.9050**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **35.5429, 45.4224, 46.9385** is the 20% darker color. If you saturate the color by 10%, you get **61.2919, 80.3744, 80.9271**, and if you desaturate by 10%, it is **75.3813, 87.3904, 92.7589**.

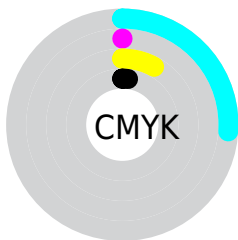
Distribution



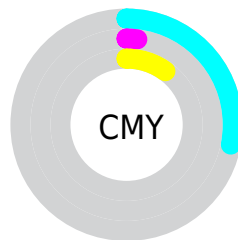
- Red (72%)
- Green (98%)
- Blue (90%)



- Red (72%)
- Yellow (87%)
- Blue (98%)



- Cyan (26%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)



- Cyan (28%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7857, 83.5989, 86.6922 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 67.7857, 83.5989, 86.6922 by changing the saturation by 10% instead.

67.7857, 83.5989,
86.6922

67.7857, 83.5989,
86.6922

442.1250,
506.9803, 537.5008

49.9965, 62.6843,
64.6823

115.0891,
138.4140, 144.6301

35.6284, 45.5859,
46.7538

145.3340,
173.0832, 181.3953

24.3161, 31.9192,
32.4881

180.4615,
213.1062, 223.9159

15.6943, 21.2998,
21.4667

220.8369,
258.8673, 272.6106

9.3975, 13.3433,
13.2710

266.8256,
310.7508, 327.8980

5.0606, 7.6654,
7.4825

318.7929,

2.3180, 3.8816,

369.1413, 390.1964

3.6827

377.1043,
434.4230, 459.9245

0.8038, 1.6075,
1.4529

0.0000, 0.3627,
0.1825

67.7857, 83.5989,
86.6922

67.7857, 83.5989,
86.6922

61.2919, 80.3744,
80.9271

75.3813, 87.3904,
92.7589

55.8372, 77.6779,
75.4523

84.1232, 91.7652,
99.1272

51.3632, 75.4817,
70.2637

92.6863, 96.0421,
105.7397

47.8029, 73.7512,
65.3547

93.1672, 96.2345,
108.2724

■ 45.0804, 72.4475,
60.7186

■ 43.1068, 71.5248,
56.3477

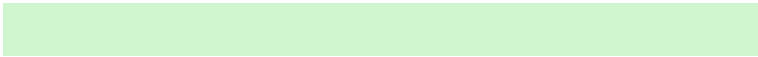
■ 41.7722, 70.9265,
52.2334

■ 41.3601, 70.7476,
50.6965

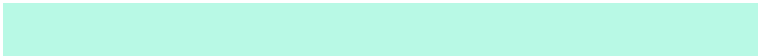
Harmonies

Analogous

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



69.9823, 83.5989, 71.2406



67.7857, 83.5989, 86.6922



68.5790, 83.5989, 105.5273

Triad

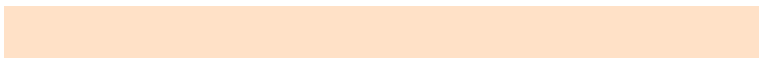
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7857, 83.5989, 86.6922



84.3726, 83.5989, 127.7950



87.1749, 83.5989, 65.5606

Complementary

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



67.7857, 83.5989, 86.6922



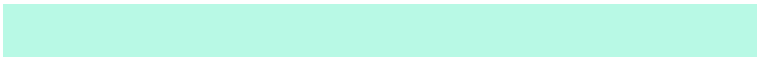
67.1094, 58.7825, 64.9394

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.



91.4312, 83.5989, 77.9162



67.7857, 83.5989, 86.6922



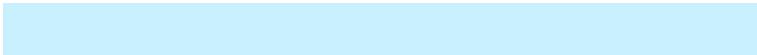
89.7532, 83.5989, 114.1699

Square

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



67.7857, 83.5989, 86.6922



77.9306, 83.5989, 130.9758



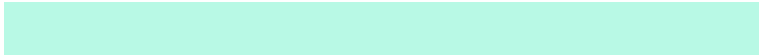
92.3993, 83.5989, 95.4998



81.0057, 83.5989, 60.1564

Rectangle

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



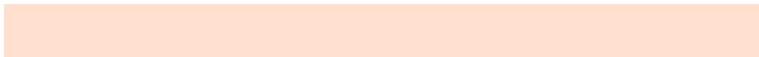
67.7857, 83.5989, 86.6922



70.7184, 83.5989, 117.3683



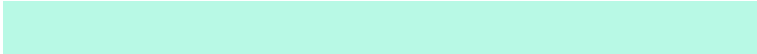
92.3993, 83.5989, 95.4998



88.8901, 83.5989, 68.9516

Sweetspot

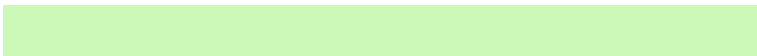
The Sweet Spot groups the original color and five complimentary colors.



67.7881, 83.6023, 86.6941



86.9446, 95.9364, 103.3307



67.5921, 84.1357, 58.0260



18.3029, 20.3807, 21.8978



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

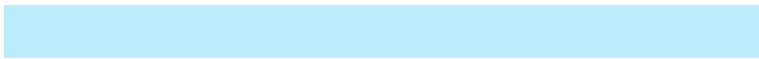
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7881, 83.6023, 86.6941



68.0310, 86.4954, 88.4698



67.1770, 77.6498, 101.0739



17.5251, 19.5123, 20.9655



22.2049, 37.8950, 27.4861



2.1040, 3.5287, 2.7953

Inverse Universe

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



67.1094, 58.7825, 64.9394



67.2132, 56.4741, 62.1709



67.4425, 63.0450, 53.9630



17.4645, 17.3132, 19.0360



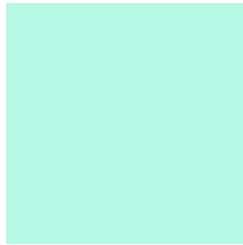
21.6774, 11.0867, 5.0096



2.0529, 1.0449, 0.7021

Previews

White Background



This preview shows how the XYZ color 67.7857, 83.5989, 86.6922 looks on a white background.

Color Contrast Check

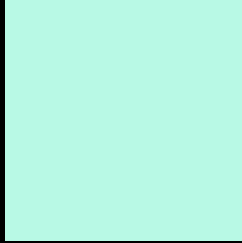
Large Text (above 18pt) WCAG AA × Fail

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 67.7857, 83.5989, 86.6922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

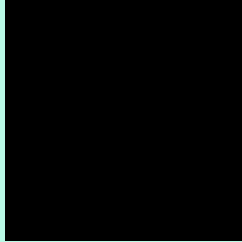
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

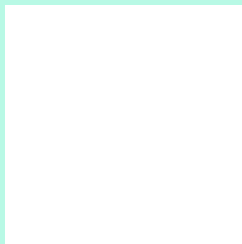
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7857, 83.5989, 86.6922

Background



This preview shows how black text looks on a background with the XYZ color 67.7857, 83.5989, 86.6922.



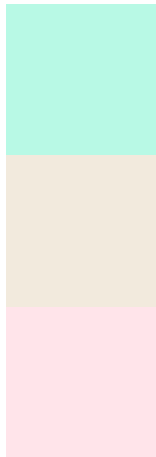
This preview shows how white text looks on a background with the XYZ color 67.7857, 83.5989,

86.6922.

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

67.7857, 83.5989, 86.6922

Protanopia

79.0919, 82.9433, 80.2477

Deuteranopia

83.8347, 82.6873, 89.3836



Tritanopia

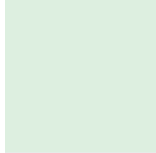
74.9589, 83.2524, 106.7263

Trichromacy



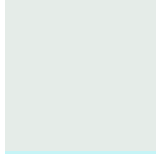
Original Color

67.7857, 83.5989, 86.6922



Protanomaly

74.1398, 82.4870, 82.5350



Deuteranomaly

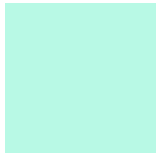
76.8740, 82.4751, 88.2115



Tritanomaly

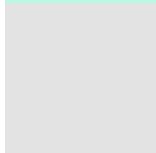
72.2739, 83.3610, 99.4698

Monochromacy



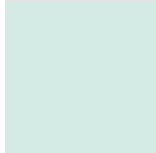
Original Color

67.7857, 83.5989, 86.6922



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.5759, 78.8670, 84.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7857, 83.5989, 86.6922 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(184, 249, 229)` looks like.

```
.text, #text, p{  
    color:rgb(184, 249, 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(184, 249, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 249, 229) }
```

Border

The CSS property to change the border of an element to XYZ 67.7857, 83.5989, 86.6922 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(184, 249, 229) }
```


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

```
.border{ border-color:rgb(184, 249, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 249, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 249, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 249, 229);  
box-shadow:4px 4px 4px 4px rgb(184, 249,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7857, 83.5989, 86.6922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 249, 229) }
```

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

```
.background{ background-color: rgb(184,  
249, 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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