

Converting Colors

XYZ(67.1856, 86.1723, 83.3363)

Have a look what the booklet for
XYZ(67.1856, 86.1723, 83.3363)
contains.

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Color

**XYZ(67.3460, 86.2489,
83.6192)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFE0
RGB	177, 255, 224
RGB Percent	69%, 100%, 88%
CMY	0.3059, 0.0000, 0.1216
CMYK	0.31, 0.00, 0.12, 0.00
HSL	156°, 100%, 85%
HSV	156°, 31%, 100%
XYZ	67.3460, 86.2489, 83.6192
YIQ	228.1440, -36.5370, -26.1770

Conversions

Conversions Part 2

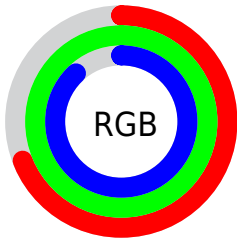
Format	Color
RYB	177, 226, 255
Decimal	11665376
CIELab	94.42, -30.19, 7.22
CIELCh	94, 31.042, 166.541
Yxy	86.2489, 0.2839, 0.3636
Android (android.graphics.Color)	4289855456 (0xFFB1FFE0)
YUV	228.1440, -2.0430, -44.8533
Hunter-Lab	92.8703, -33.0816, 11.6253

Details

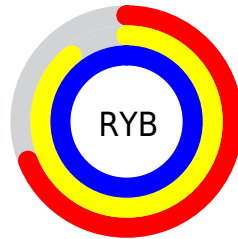
The XYZ color **67.3460, 86.2489, 83.6192** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.3479, 57.2594, 67.1247**, and the grayscale version is **73.8816, 77.7292, 84.6471**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **35.3816, 47.3903, 44.8186** is the 20% darker color. If you saturate the color by 10%, you get **60.7367, 82.9958, 76.3484**, and if you desaturate by 10%, it is **75.1242, 90.0951, 91.3752**.

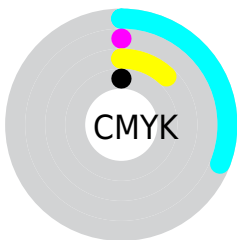
Distribution



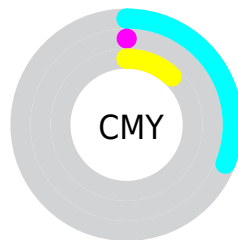
- Red (69%)
- Green (100%)
- Blue (88%)



- Red (69%)
- Yellow (89%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.3460, 86.2489, 83.6192 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 67.3460, 86.2489, 83.6192 by changing the saturation by 10% instead.


 67.3460, 86.2489,
83.6192

 67.3460, 86.2489,
83.6192


440.5885,
515.7516, 527.0728

 49.6376, 64.8738,
62.1575

 114.4631,
142.1168, 140.2993

 35.3421, 47.3588,
44.7234


144.6025,
177.3783, 176.3549

 24.0943, 33.3194,
30.8982


179.6163,
218.0375, 218.1121

 15.5287, 22.3712,
20.2636

219.8699,
264.4787, 265.9896

 9.2800, 14.1299,
12.4008

265.7285,
317.0863, 320.4059

 4.9828, 8.2111,
6.8914

317.5576,

 2.2718, 4.2303,

376.2448, 381.7795

3.3169

375.7225,
442.3384, 450.5289

0.7802, 1.8032,
1.2586

0.0000, 0.4892,
0.0275

67.3460, 86.2489,
83.6192

67.3460, 86.2489,
83.6192

60.7367, 82.9958,
76.3484

75.1242, 90.0951,
91.3752

55.2317, 80.3027,
69.5482

84.1260, 94.5625,
99.6220

50.7639, 78.1351,
63.2092

94.4055, 99.6788,
108.3705

47.2576, 76.4542,
57.3202

95.0500, 100.0000,
108.9000

■ 44.6258, 75.2155,
51.8690

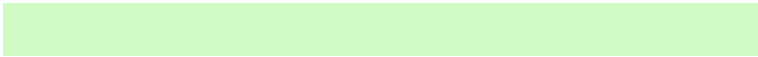
■ 42.7652, 74.3656,
46.8426

■ 41.5642, 73.8417,
42.4845

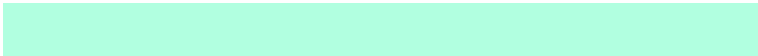
Harmonies

Analogous

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



70.8765, 86.2489, 65.7243



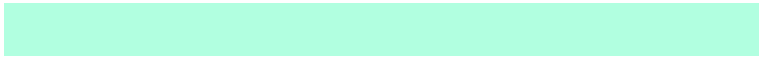
67.3460, 86.2489, 83.6192



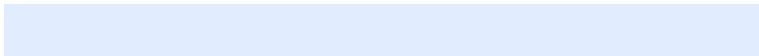
67.5421, 86.2489, 107.6055

Triad

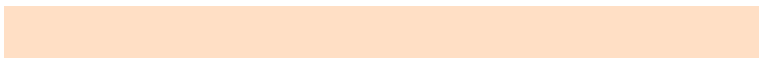
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.3460, 86.2489, 83.6192



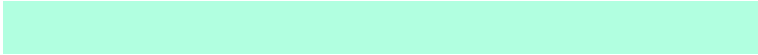
86.6290, 86.2489, 145.1886



93.5122, 86.2489, 64.3566

Complementary

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



67.3460, 86.2489, 83.6192



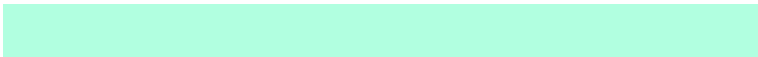
68.3479, 57.2594, 67.1247

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.



98.3346, 86.2489, 81.4295



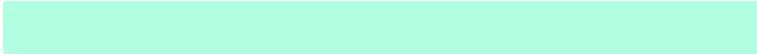
67.3460, 86.2489, 83.6192



94.1799, 86.2489, 129.1840

Square

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



67.3460, 86.2489, 83.6192



78.3001, 86.2489, 146.0454



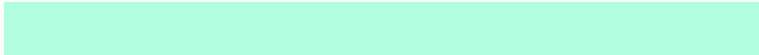
98.5870, 86.2489, 105.0131



85.7672, 86.2489, 55.9445

Rectangle

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



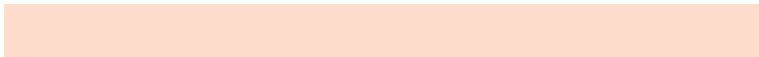
67.3460, 86.2489, 83.6192



69.7534, 86.2489, 124.0029



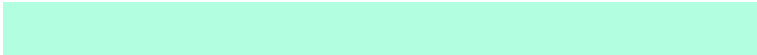
98.5870, 86.2489, 105.0131



95.5511, 86.2489, 69.1286

Sweetspot

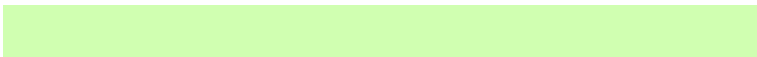
The Sweet Spot groups the original color and five complimentary colors.



67.3468, 86.2493, 83.6206



85.6709, 95.3306, 100.9768



69.7652, 88.1335, 54.9307



18.0337, 20.2538, 21.3473



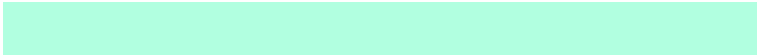
0.0000, 0.0000, 0.0000



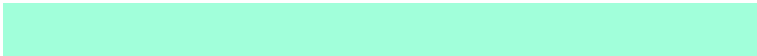
20.3446, 21.4041, 23.3091

Same Dimension

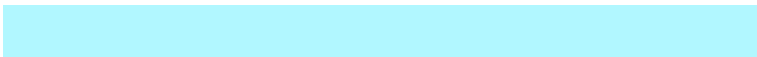
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3468, 86.2493, 83.6206



62.9774, 84.0967, 78.9023



69.5041, 83.2115, 107.0059



18.2312, 20.3520, 21.5207



21.7939, 38.6141, 22.5976



2.1759, 3.7813, 2.4841

Inverse Universe

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



68.3479, 57.2594, 67.1247



64.1338, 50.7116, 59.9231



66.4837, 59.0497, 49.4899



18.3084, 18.1067, 20.2412



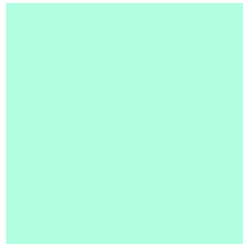
22.8535, 11.6307, 7.8792



2.2772, 1.1533, 1.0414

Previews

White Background



This preview shows how the XYZ color 67.3460, 86.2489, 83.6192 looks on a white background.

Color Contrast Check

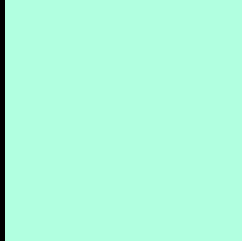
Large Text (above 18pt) WCAG AA × Fail

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 67.3460, 86.2489, 83.6192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

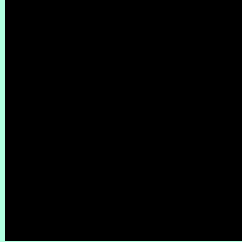
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

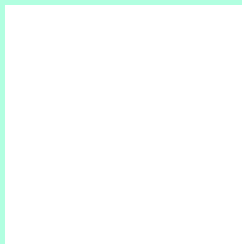
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3460, 86.2489, 83.6192

Background



This preview shows how black text looks on a background with the XYZ color 67.3460, 86.2489, 83.6192.

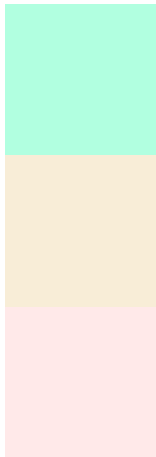


This preview shows how white text looks on a background with the XYZ color 67.3460, 86.2489,

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

67.3460, 86.2489, 83.6192

Protanopia

81.2613, 85.4311, 76.4969

Deuteranopia

85.0869, 85.4210, 89.0941



Tritanopia

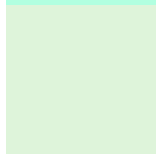
77.5521, 85.9184, 107.1042

Trichromacy



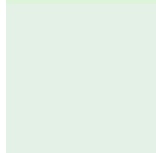
Original Color

67.3460, 86.2489, 83.6192



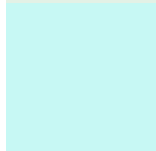
Protanomaly

75.1298, 85.2929, 78.8331



Deuteranomaly

77.4168, 84.9547, 87.1805



Tritanomaly

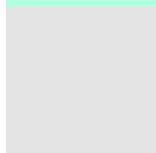
73.4497, 85.8086, 98.2794

Monochromacy



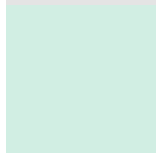
Original Color

67.3460, 86.2489, 83.6192



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7342, 80.2504, 84.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3460, 86.2489, 83.6192 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(177, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 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(177, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 67.3460, 86.2489, 83.6192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

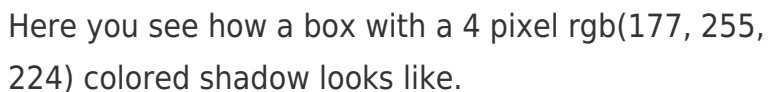
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 255, 224) }
```


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

```
.border{ border-color:rgb(177, 255, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3460, 86.2489, 83.6192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 224) }
```

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

```
.background{ background-color: rgb(177,  
255, 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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