

Converting Colors

XYZ(68.0916, 86.7101, 80.1850)

Have a look what the booklet for
XYZ(68.0916, 86.7101, 80.1850)
contains.

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Color

**XYZ(68.0746, 86.7018,
80.1650)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFDB
RGB	183, 255, 219
RGB Percent	72%, 100%, 86%
CMY	0.2823, 0.0000, 0.1412
CMYK	0.28, 0.00, 0.14, 0.00
HSL	150°, 100%, 86%
HSV	150°, 28%, 100%
XYZ	68.0746, 86.7018, 80.1650
YIQ	229.3680, -31.3560, -26.4600

Conversions

Conversions Part 2

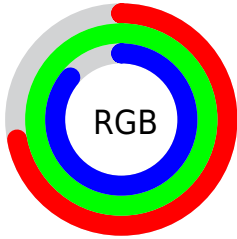
Format	Color
RYB	183, 231, 255
Decimal	12058587
CIELab	94.61, -29.42, 10.12
CIELCh	95, 31.110, 161.026
Yxy	86.7018, 0.2898, 0.3690
Android (android.graphics.Color)	4290248667 (0xFFB7FFDB)
YUV	229.3680, -5.1114, -40.6647
Hunter-Lab	93.1138, -32.4495, 14.1348

Details

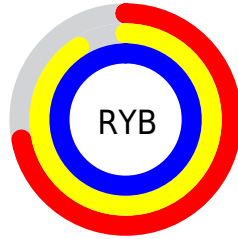
The XYZ color **68.0746, 86.7018, 80.1650** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9601, 60.2422, 74.9058**, and the grayscale version is **74.7999, 78.6953, 85.6992**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **35.7970, 47.6577, 42.4341** is the 20% darker color. If you saturate the color by 10%, you get **60.9340, 83.2072, 71.4024**, and if you desaturate by 10%, it is **76.4440, 90.8149, 89.6591**.

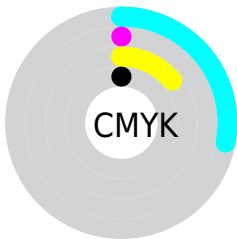
Distribution



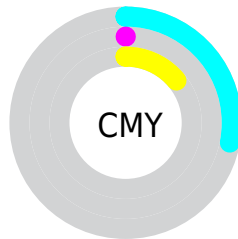
- Red (72%)
- Green (100%)
- Blue (86%)



- Red (72%)
- Yellow (91%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0746, 86.7018, 80.1650 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 68.0746, 86.7018, 80.1650 by changing the saturation by 10% instead.

 68.0746, 86.7018,
80.1650

 68.0746, 86.7018,
80.1650


443.1329,
517.2425, 515.2101

 50.2323, 65.2485,
59.3272


 115.5002,
142.7484, 135.4112

 35.8166, 47.6626,
42.4548


145.8142,
178.1105, 170.6566

 24.4620, 33.5598,
29.1294


181.0162,
218.8776, 211.5417

 15.8033, 22.5556,
18.9323

221.4715,
265.4342, 258.4849

 9.4750, 14.2657,
11.4450

267.5454,
318.1645, 311.9048

 5.1119, 8.3057,
6.2491

319.6034,

 2.3485, 4.2912,

377.4531, 372.2200

2.9259

378.0108,
443.6843, 439.8489

■ 0.8193, 1.8377,
1.0569

■ 0.0000, 0.5105,
0.0000

■ 68.0746, 86.7018,
80.1650

■ 68.0746, 86.7018,
80.1650

■ 60.9340, 83.2072,
71.4024

■ 76.4440, 90.8149,
89.6591

■ 54.9578, 80.2984,
63.3491

■ 86.0977, 95.5749,
99.8975

■ 50.0788, 77.9411,
55.9880

■ 95.0500, 100.0000,
108.9000

■ 46.2217, 76.0967,
49.2994

■ 43.3009, 74.7216,
43.2627

■ 41.2159, 73.7642,
37.8556

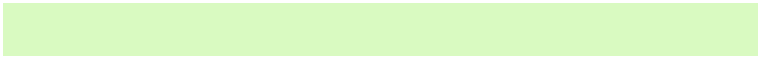
■ 39.8291, 73.1542,
33.0537

■ 39.6237, 73.0655,
32.2658

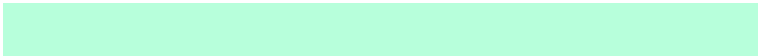
Harmonies

Analogous

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



72.2659, 86.7018, 63.6637



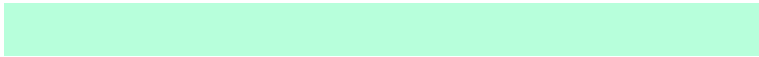
68.0746, 86.7018, 80.1650



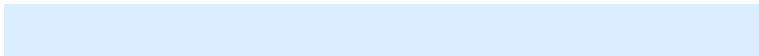
67.5664, 86.7018, 103.5176

Triad

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



68.0746, 86.7018, 80.1650



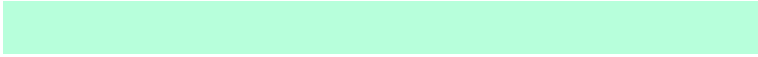
85.5313, 86.7018, 147.3975



95.1860, 86.7018, 67.2098

Complementary

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



68.0746, 86.7018, 80.1650



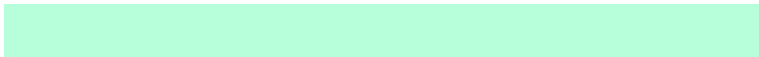
70.9601, 60.2422, 74.9058

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.



99.2767, 86.7018, 85.8407



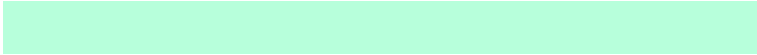
68.0746, 86.7018, 80.1650



93.4560, 86.7018, 133.7216

Square

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



68.0746, 86.7018, 80.1650



77.2730, 86.7018, 145.1781



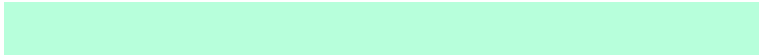
98.6229, 86.7018, 110.2354



87.7645, 86.7018, 57.1079

Rectangle

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



68.0746, 86.7018, 80.1650



69.3425, 86.7018, 120.2737



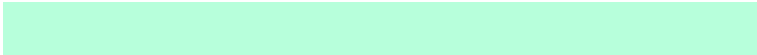
98.6229, 86.7018, 110.2354



97.0183, 86.7018, 72.5375

Sweetspot

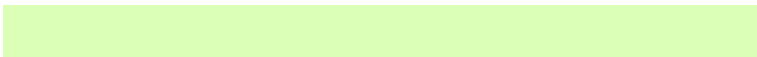
The Sweet Spot groups the original color and five complimentary colors.



68.0753, 86.7021, 80.1664



86.3400, 95.6945, 100.1467



73.5212, 89.9992, 58.2974



18.1504, 20.3197, 21.0949



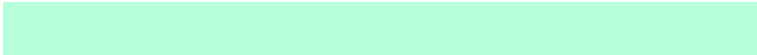
0.0000, 0.0000, 0.0000



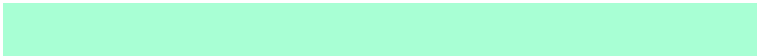
20.3446, 21.4041, 23.3091

Same Dimension

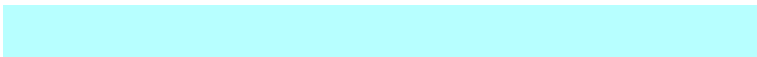
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0753, 86.7021, 80.1664



63.8121, 84.6137, 75.0257



73.3389, 88.8075, 107.8839



18.1504, 20.3197, 21.0949



20.7796, 38.2084, 17.2564



2.0784, 3.7423, 1.9705

Inverse Universe

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



70.9601, 60.2422, 74.9058



67.1375, 54.1119, 68.9615



66.7213, 58.5468, 52.5849



18.3882, 18.1386, 20.6613



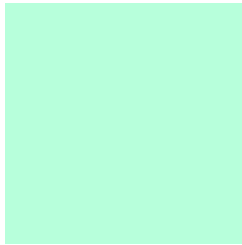
23.6428, 11.9464, 12.0352



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 68.0746, 86.7018, 80.1650 looks on a white background.

Color Contrast Check

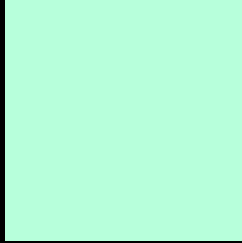
Large Text (above 18pt) WCAG AA × Fail

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 68.0746, 86.7018, 80.1650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

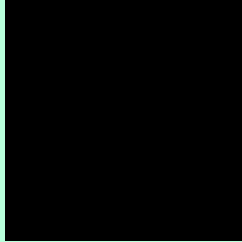
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

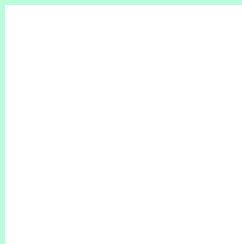
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0746, 86.7018, 80.1650

Background



This preview shows how black text looks on a background with the XYZ color 68.0746, 86.7018, 80.1650.



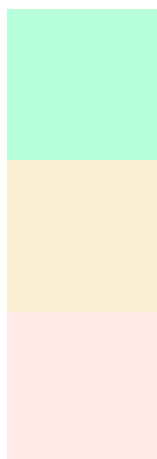
This preview shows how white text looks on a background with the XYZ color 68.0746, 86.7018,

80.1650.

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

68.0746, 86.7018, 80.1650

Protanopia

81.2743, 85.9420, 73.2776

Deuteranopia

85.0866, 85.8752, 87.6923



Tritanopia

78.4250, 86.3684, 107.1451

Trichromacy



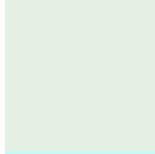
Original Color

68.0746, 86.7018, 80.1650



Protanomaly

75.4123, 85.5130, 75.4818



Deuteranomaly

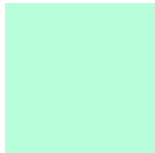
77.9304, 85.7083, 85.1090



Tritanomaly

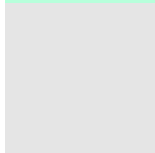
74.2230, 86.2421, 96.7388

Monochromacy



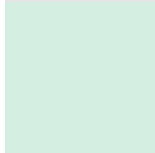
Original Color

68.0746, 86.7018, 80.1650



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.3165, 80.5824, 83.0293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0746, 86.7018, 80.1650 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(183, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 219)  
}
```

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(183, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 68.0746, 86.7018, 80.1650 is called "border". The border property can be set on classes, ids or directly on the HTML element.

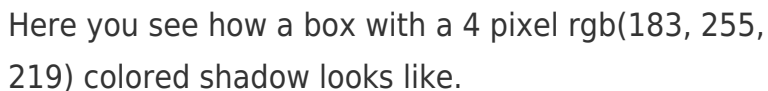
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(183, 255, 219) }
```


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

```
.border{ border-color:rgb(183, 255, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(183, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 255, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 255, 219); box-shadow:4px 4px 4px 4px rgb(183, 255, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0746, 86.7018, 80.1650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 219) }
```

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

```
.background{ background-color: rgb(183,  
255, 219) }
```

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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