

Converting Colors

XYZ(68.8740, 88.3985, 71.7593)

Have a look what the booklet for
XYZ(68.8740, 88.3985, 71.7593)
contains.

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Color

**XYZ(68.1358, 86.9234,
71.5793)**

Conversions

Conversions Part 1

Format	Color
Hex	BEFFCE
RGB	190, 255, 206
RGB Percent	75%, 100%, 81%
CMY	0.2549, 0.0000, 0.1921
CMYK	0.25, 0.00, 0.19, 0.00
HSL	135°, 100%, 87%
HSV	135°, 25%, 100%
XYZ	68.1358, 86.9234, 71.5793
YIQ	229.9790, -23.0110, -29.0190

Conversions

Conversions Part 2

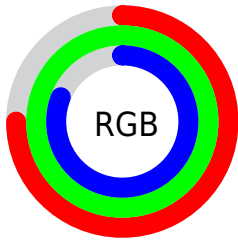
Format	Color
RYB	190, 242, 255
Decimal	12517326
CIELab	94.71, -29.69, 16.97
CIELCh	95, 34.198, 150.250
Yxy	86.9234, 0.3006, 0.3835
Android (android.graphics.Color)	4290707406 (0xFFBEFFCE)
YUV	229.9790, -11.8216, -35.0616
Hunter-Lab	93.2327, -32.7069, 19.7431

Details

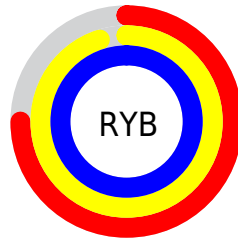
The XYZ color **68.1358, 86.9234, 71.5793** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.2337, 64.3196, 90.1107**, and the grayscale version is **75.2948, 79.2160, 86.2662**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.8533, 47.8061, 37.0436** is the 20% darker color. If you saturate the color by 10%, you get **60.1196, 83.0444, 59.7505**, and if you desaturate by 10%, it is **77.5532, 91.4917, 84.9673**.

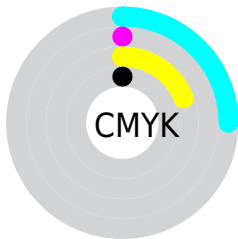
Distribution



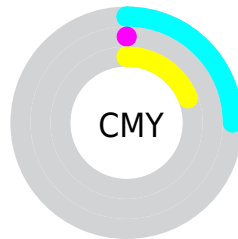
- Red (75%)
- Green (100%)
- Blue (81%)



- Red (75%)
- Yellow (95%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1358, 86.9234, 71.5793 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 68.1358, 86.9234, 71.5793 by changing the saturation by 10% instead.


 68.1358, 86.9234,
71.5793

 68.1358, 86.9234,
71.5793


443.3462,
517.9711, 485.0141

 50.2823, 65.4318,
52.3304


 115.5872,
143.0574, 123.1604

 35.8565, 47.8113,
36.8844


145.9159,
178.4685, 156.3296

 24.4930, 33.6775,
24.8229

181.1336,
219.2884, 194.9759

 15.8264, 22.6459,
15.7274

221.6058,
265.9012, 239.5180

 9.4915, 14.3323,
9.1792

267.6978,
318.6916, 290.3743

 5.1228, 8.3521,
4.7598

319.7750,

 2.3550, 4.3211,

378.0437, 347.9634

2.0508

378.2027,
444.3421, 412.7038

■ 0.8226, 1.8548,
0.5862

■ 0.0000, 0.5210,
0.0000

■ 68.1358, 86.9234,
71.5793

■ 68.1358, 86.9234,
71.5793

■ 60.1196, 83.0444,
59.7505

■ 77.5532, 91.4917,
84.9673

■ 53.4344, 79.8198,
49.4201

■ 88.4334, 96.7799,
99.9642

■ 48.0066, 77.2128,
40.5291

95.0500, 100.0000,
108.9000

■ 43.7545, 75.1827,
33.0133

■ 40.5866, 73.6838,
26.8033

■ 38.3969, 72.6629,
21.8237

■ 37.0564, 72.0553,
17.9911

■ 36.6509, 71.8763,
16.6112

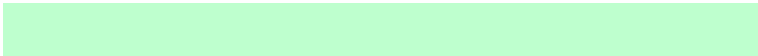
Harmonies

Analogous

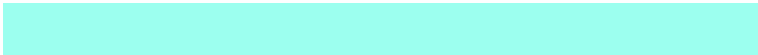
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9886, 86.9234, 57.1504



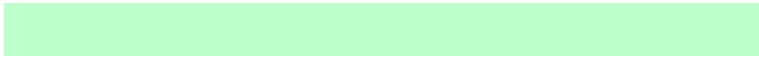
68.1358, 86.9234, 71.5793



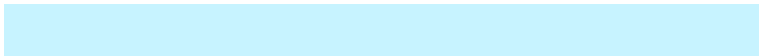
66.0978, 86.9234, 94.8674

Triad

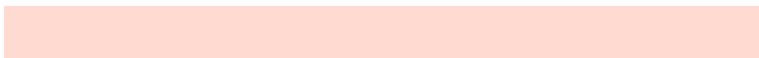
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1358, 86.9234, 71.5793



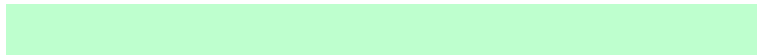
82.6958, 86.9234, 155.1754



98.9320, 86.9234, 71.2600

Complementary

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



68.1358, 86.9234, 71.5793



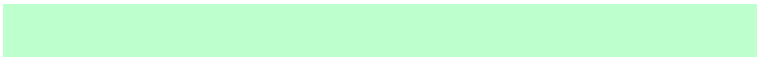
75.2337, 64.3196, 90.1107

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.



101.6844, 86.9234, 94.4226



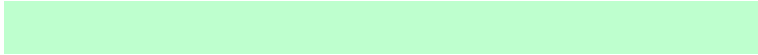
68.1358, 86.9234, 71.5793



91.8938, 86.9234, 145.7421

Square

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



68.1358, 86.9234, 71.5793



74.1136, 86.9234, 146.0388



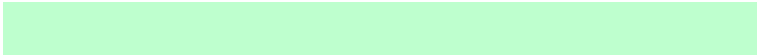
99.0195, 86.9234, 122.1988



91.7495, 86.9234, 56.9916

Rectangle

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



68.1358, 86.9234, 71.5793



67.0484, 86.9234, 113.3674



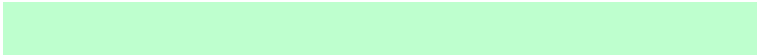
99.0195, 86.9234, 122.1988



100.4289, 86.9234, 78.1061

Sweetspot

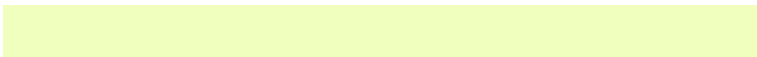
The Sweet Spot groups the original color and five complimentary colors.



68.1365, 86.9237, 71.5807



85.5611, 95.3830, 96.0450



80.9332, 93.7340, 62.5430



17.9549, 20.2415, 20.0655



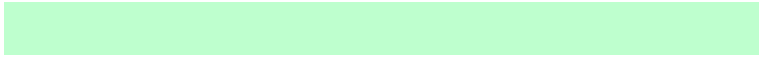
0.0000, 0.0000, 0.0000



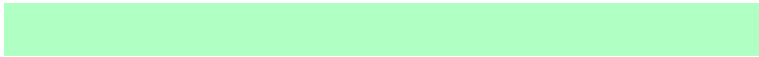
20.3446, 21.4041, 23.3091

Same Dimension

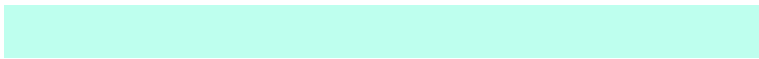
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1365, 86.9237, 71.5807



63.5499, 84.7030, 64.8728



72.3794, 88.6209, 93.9235



17.9549, 20.2415, 20.0655



19.2001, 37.5766, 8.9388



1.9106, 3.6752, 1.0870

Inverse Universe

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



75.2337, 64.3196, 90.1107



71.8292, 58.3205, 86.4784



70.9573, 62.6090, 67.5911



18.5903, 18.2194, 21.7257



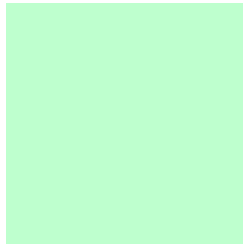
26.5959, 13.1276, 27.5860



2.6328, 1.2955, 2.9137

Previews

White Background



This preview shows how the XYZ color 68.1358, 86.9234, 71.5793 looks on a white background.

Color Contrast Check

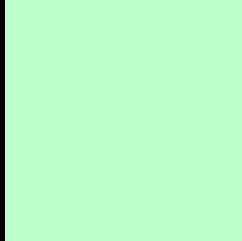
Large Text (above 18pt) WCAG AA × Fail

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 68.1358, 86.9234, 71.5793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

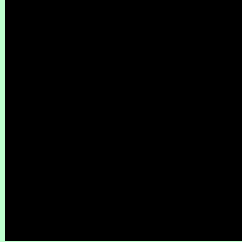
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.1358, 86.9234, 71.5793

Background



This preview shows how black text looks on a background with the XYZ color 68.1358, 86.9234, 71.5793.



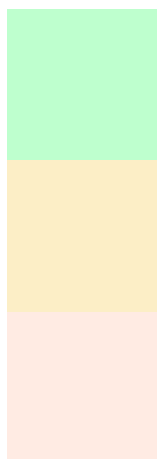
This preview shows how white text looks on a background with the XYZ color 68.1358, 86.9234,

71.5793.

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

68.1358, 86.9234, 71.5793

Protanopia

80.9125, 85.9217, 65.7461

Deuteranopia

84.8135, 86.2227, 84.8455



Tritanopia

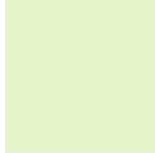
79.3140, 86.3813, 107.1007

Trichromacy



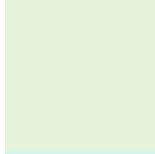
Original Color

68.1358, 86.9234, 71.5793



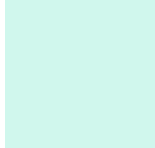
Protanomaly

75.2064, 85.5764, 67.8124



Deuteranomaly

77.4933, 85.6077, 79.4574



Tritanomaly

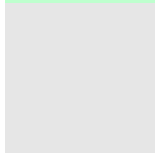
74.5593, 86.0459, 92.7996

Monochromacy



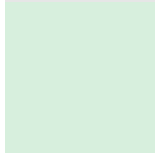
Original Color

68.1358, 86.9234, 71.5793



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9420, 81.4005, 80.3267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1358, 86.9234, 71.5793 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(190, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 206)  
}
```

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(190, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 206) }
```

Border

The CSS property to change the border of an element to XYZ 68.1358, 86.9234, 71.5793 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(190, 255, 206) }
```


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

```
.border{ border-color:rgb(190, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1358, 86.9234, 71.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 206) }
```

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

```
.background{ background-color: rgb(190,  
255, 206) }
```

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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