

Converting Colors

XYZ(77.4182, 104.5612,
83.4030)

Have a look what the booklet for
XYZ(77.4182, 104.5612, 83.4030)
contains.

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Color

**XYZ(68.5538, 86.9488,
80.1875)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FFDB
RGB	185, 255, 219
RGB Percent	73%, 100%, 86%
CMY	0.2745, 0.0000, 0.1412
CMYK	0.27, 0.00, 0.14, 0.00
HSL	149°, 100%, 86%
HSV	149°, 27%, 100%
XYZ	68.5538, 86.9488, 80.1875
YIQ	229.9660, -30.1640, -26.0360

Conversions

Conversions Part 2

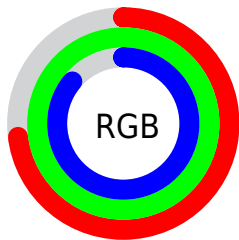
Format	Color
RYB	185, 232, 255
Decimal	12189659
CIELab	94.72, -28.82, 10.28
CIELCh	95, 30.602, 160.373
Yxy	86.9488, 0.2909, 0.3689
Android (android.graphics.Color)	4290379739 (0xFFB9FFDB)
YUV	229.9660, -5.4062, -39.4352
Hunter-Lab	93.2463, -31.9496, 14.2858

Details

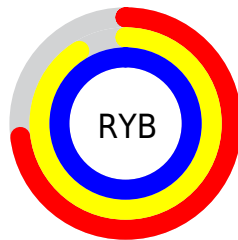
The XYZ color **68.5538, 86.9488, 80.1875** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.6406, 61.1793, 76.4396**, and the grayscale version is **75.2431, 79.1616, 86.2070**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **36.1008, 47.8143, 42.4483** is the 20% darker color. If you saturate the color by 10%, you get **61.2849, 83.3932, 71.1877**, and if you desaturate by 10%, it is **77.0635, 91.1283, 89.9582**.

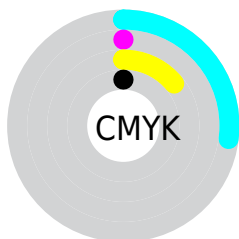
Distribution



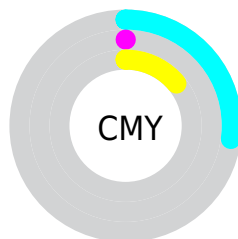
- Red (73%)
- Green (100%)
- Blue (86%)



- Red (73%)
- Yellow (91%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.5538, 86.9488, 80.1875 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 68.5538, 86.9488, 80.1875 by changing the saturation by 10% instead.


 68.5538, 86.9488,
80.1875

 68.5538, 86.9488,
80.1875


444.8017,
518.0546, 515.2879

 50.6237, 65.4528,
59.3456


 116.1816,
143.0928, 135.4431

 36.1291, 47.8284,
42.4695


146.6100,
178.5096, 170.6939

 24.7045, 33.6910,
29.1408


181.9353,
219.3354, 211.5846

 15.9846, 22.6563,
18.9409

222.5228,
265.9548, 258.5340

 9.6040, 14.3399,
11.4512

268.7378,
318.7520, 311.9605

 5.1974, 8.3575,
6.2532

320.9457,

 2.3995, 4.3245,

378.1114, 372.2826

2.9284

379.5119,
444.4175, 439.9189

■ 0.8449, 1.8567,
1.0582

■ 0.0000, 0.5222,
0.0000

■ 68.5538, 86.9488,
80.1875

■ 68.5538, 86.9488,
80.1875

■ 61.2849, 83.3932,
71.1877

■ 77.0635, 91.1283,
89.9582

■ 55.1923, 80.4287,
62.9354

■ 86.8694, 95.9599,
100.5140

■ 50.2092, 78.0212,
55.4121

95.0500, 100.0000,
108.9000

■ 46.2606, 76.1324,
48.5965

■ 43.2617, 74.7189,
42.4666

■ 41.1129, 73.7300,
36.9987

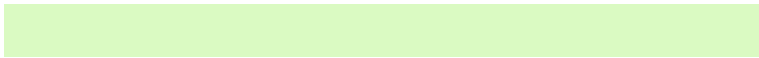
■ 39.6855, 73.0996,
32.1666

■ 39.3893, 72.9717,
31.0315

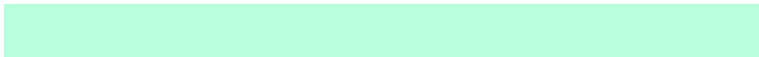
Harmonies

Analogous

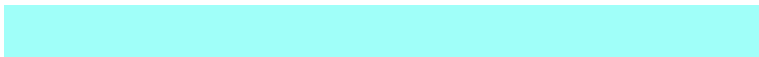
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7657, 86.9488, 64.0486



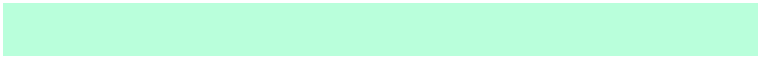
68.5538, 86.9488, 80.1875



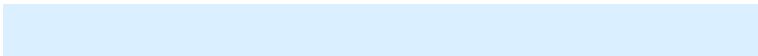
67.9694, 86.9488, 103.1098

Triad

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



68.5538, 86.9488, 80.1875



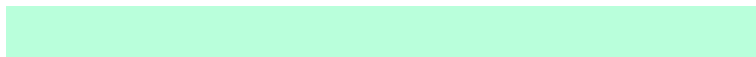
85.5381, 86.9488, 146.8939



95.3556, 86.9488, 68.1354

Complementary

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



68.5538, 86.9488, 80.1875



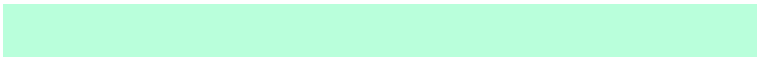
71.6406, 61.1793, 76.4396

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.



99.2879, 86.9488, 86.7084



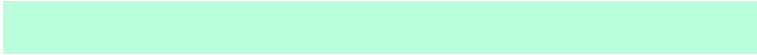
68.5538, 86.9488, 80.1875



93.3743, 86.9488, 133.7694

Square

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



68.5538, 86.9488, 80.1875



77.4163, 86.9488, 144.3606



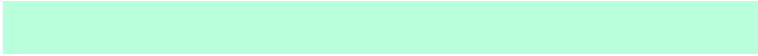
98.5396, 86.9488, 110.8045



88.0982, 86.9488, 57.9359

Rectangle

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



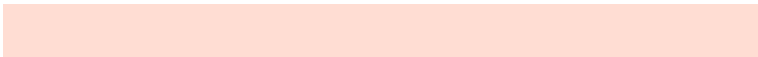
68.5538, 86.9488, 80.1875



69.6708, 86.9488, 119.6113



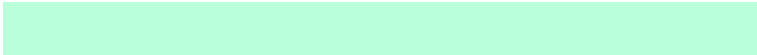
98.5396, 86.9488, 110.8045



97.1314, 86.9488, 73.4660

Sweetspot

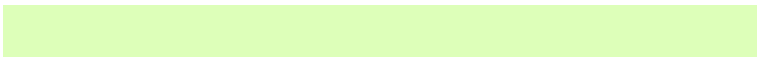
The Sweet Spot groups the original color and five complimentary colors.



68.5546, 86.9491, 80.1889



86.2955, 95.6768, 99.9128



74.3871, 90.4214, 59.4326



18.1392, 20.3152, 21.0360



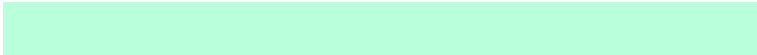
0.0000, 0.0000, 0.0000



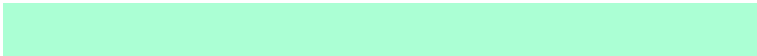
20.3446, 21.4041, 23.3091

Same Dimension

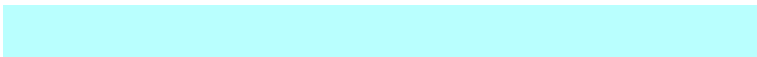
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5546, 86.9491, 80.1889



64.3708, 84.9006, 75.0997



73.6308, 88.9796, 106.9201



18.1392, 20.3152, 21.0360



20.6565, 38.1592, 16.6084



2.0662, 3.7374, 1.9064

Inverse Universe

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



71.6406, 61.1793, 76.4396



67.9283, 55.1907, 70.7754



67.4703, 59.5112, 54.4793



18.3994, 18.1431, 20.7202



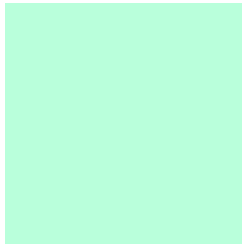
23.7702, 11.9974, 12.7061



2.3696, 1.1902, 1.5279

Previews

White Background



This preview shows how the XYZ color 68.5538, 86.9488, 80.1875 looks on a white background.

Color Contrast Check

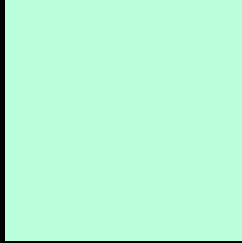
Large Text (above 18pt) WCAG AA × Fail

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 68.5538, 86.9488, 80.1875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

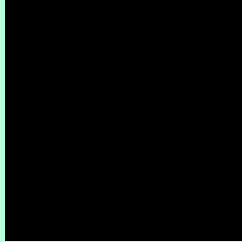
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

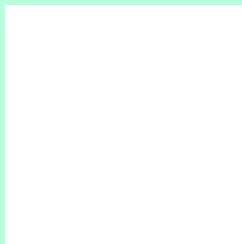
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5538, 86.9488, 80.1875

Background



This preview shows how black text looks on a background with the XYZ color 68.5538, 86.9488, 80.1875.



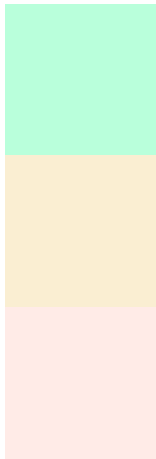
This preview shows how white text looks on a background with the XYZ color 68.5538, 86.9488,

80.1875.

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

68.5538, 86.9488, 80.1875

Protanopia

81.6317, 86.1262, 73.2943

Deuteranopia

85.3721, 86.4462, 87.7875



Tritanopia

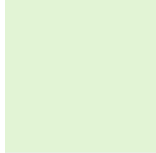
79.0160, 86.6731, 107.1727

Trichromacy



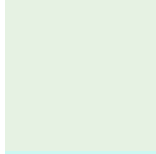
Original Color

68.5538, 86.9488, 80.1875



Protanomaly

75.7250, 85.6742, 75.4964



Deuteranomaly

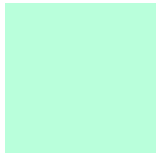
78.2504, 85.8733, 85.1240



Tritanomaly

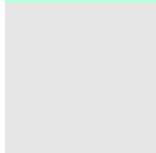
74.7713, 86.5247, 96.7645

Monochromacy



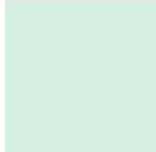
Original Color

68.5538, 86.9488, 80.1875



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.3255, 81.5201, 83.8745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5538, 86.9488, 80.1875 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(185, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 219) }
```

Border

The CSS property to change the border of an element to XYZ 68.5538, 86.9488, 80.1875 is called "border". The border property can be set on classes, ids or directly on the HTML element.

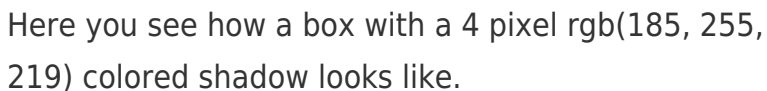
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 255, 219) }
```


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

```
.border{ border-color:rgb(185, 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(185, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5538, 86.9488, 80.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 219) }
```

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

```
.background{ background-color: rgb(185,  
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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