

Converting Colors

XYZ(72.9989, 96.0161, 82.6937)

Have a look what the booklet for
XYZ(72.9989, 96.0161, 82.6937)
contains.

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Color

**XYZ(68.4454, 86.8777,
80.8718)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFDC
RGB	184, 255, 220
RGB Percent	72%, 100%, 86%
CMY	0.2784, 0.0000, 0.1372
CMYK	0.28, 0.00, 0.14, 0.00
HSL	150°, 100%, 86%
HSV	150°, 28%, 100%
XYZ	68.4454, 86.8777, 80.8718
YIQ	229.7810, -31.0810, -25.9370

Conversions

Conversions Part 2

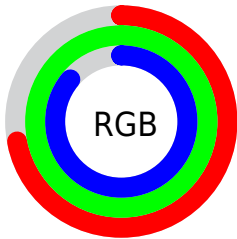
Format	Color
RYB	184, 231, 255
Decimal	12124124
CIELab	94.69, -28.93, 9.71
CIELCh	95, 30.518, 161.438
Yxy	86.8777, 0.2898, 0.3678
Android (android.graphics.Color)	4290314204 (0xFFB8FFDC)
YUV	229.7810, -4.8220, -40.1499
Hunter-Lab	93.2082, -32.0368, 13.8030

Details

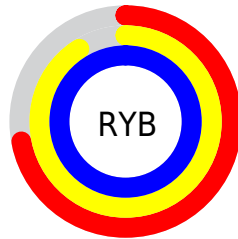
The XYZ color **68.4454, 86.8777, 80.8718** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.1670, 60.6562, 74.9746**, and the grayscale version is **75.1025, 79.0137, 86.0459**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **36.0389, 47.7719, 42.9188** is the 20% darker color. If you saturate the color by 10%, you get **61.2749, 83.3663, 72.1706**, and if you desaturate by 10%, it is **76.8436, 91.0074, 90.2868**.

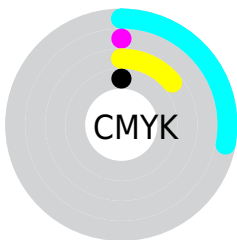
Distribution



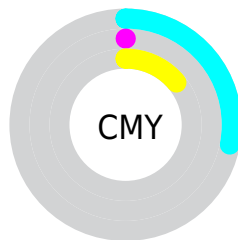
- Red (72%)
- Green (100%)
- Blue (86%)



- 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 68.4454, 86.8777, 80.8718 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 68.4454, 86.8777, 80.8718 by changing the saturation by 10% instead.


 68.4454, 86.8777,
80.8718

 68.4454, 86.8777,
80.8718


444.4245,
517.8209, 517.6501

 50.5352, 65.3940,
59.9056


 116.0275,
142.9937, 136.4132

 36.0584, 47.7806,
42.9178


146.4301,
178.3947, 171.8255

 24.6496, 33.6532,
29.4897


181.7275,
219.2037, 212.8903

 15.9435, 22.6273,
19.2028

222.2851,
265.8049, 260.0261

 9.5748, 14.3186,
11.6386

268.4683,
318.5829, 313.6514

 5.1780, 8.3426,
6.3786

320.6423,

 2.3879, 4.3149,

377.9220, 374.1848

3.0041

379.1726,
444.2065, 442.0449

■ 0.8391, 1.8512,
1.0967

■ 0.0000, 0.5188,
0.0000

■ 68.4454, 86.8777,
80.8718

■ 68.4454, 86.8777,
80.8718

■ 61.2749, 83.3663,
72.1706

■ 76.8436, 91.0074,
90.2868

■ 55.2679, 80.4406,
64.1617

■ 86.5247, 95.7837,
100.4277

■ 50.3576, 78.0665,
56.8286

95.0500, 100.0000,
108.9000

■ 46.4693, 76.2057,
50.1525

■ 43.5179, 74.8148,
44.1134

■ 41.4038, 73.8428,
38.6903

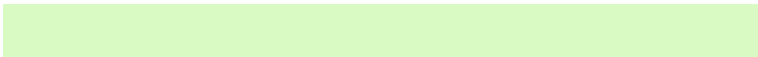
■ 39.9945, 73.2218,
33.8594

■ 39.7424, 73.1130,
32.8911

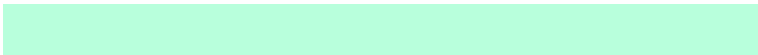
Harmonies

Analogous

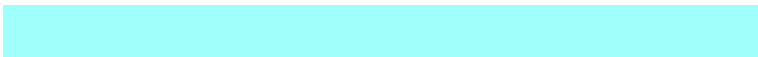
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5252, 86.8777, 64.4894



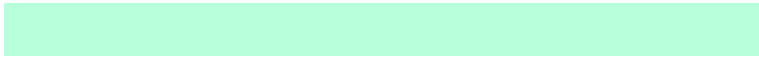
68.4454, 86.8777, 80.8718



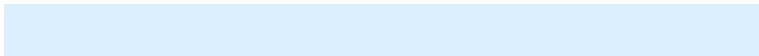
67.9968, 86.8777, 103.8833

Triad

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



68.4454, 86.8777, 80.8718



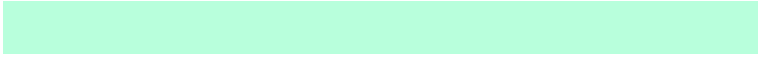
85.7572, 86.8777, 146.4116



95.0327, 86.8777, 67.6273

Complementary

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



68.4454, 86.8777, 80.8718



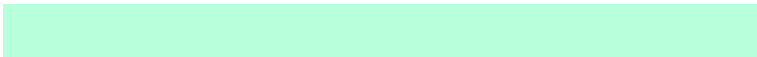
71.1670, 60.6562, 74.9746

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.



99.1000, 86.8777, 85.8776



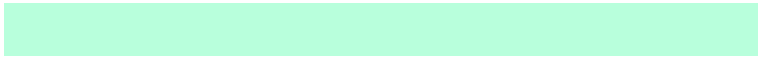
68.4454, 86.8777, 80.8718



93.5120, 86.8777, 132.8579

Square

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



68.4454, 86.8777, 80.8718



77.6325, 86.8777, 144.4677



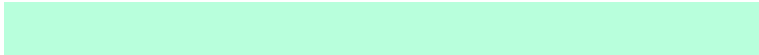
98.5257, 86.8777, 109.7891



87.7222, 86.8777, 57.7662

Rectangle

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



68.4454, 86.8777, 80.8718



69.7792, 86.8777, 120.2946



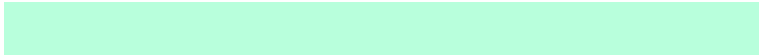
98.5257, 86.8777, 109.7891



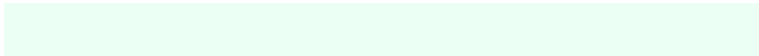
96.8458, 86.8777, 72.8442

Sweetspot

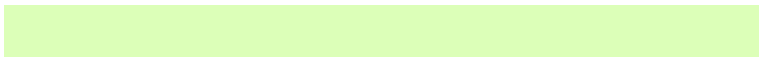
The Sweet Spot groups the original color and five complimentary colors.



68.4461, 86.8780, 80.8732



86.3619, 95.7033, 100.2622



73.7763, 90.1187, 58.8546



18.1559, 20.3219, 21.1240



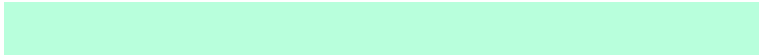
0.0000, 0.0000, 0.0000



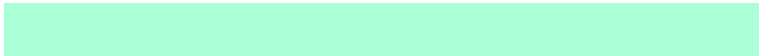
20.3446, 21.4041, 23.3091

Same Dimension

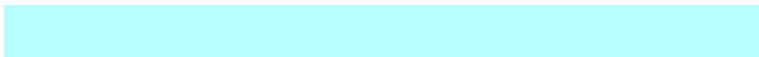
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4461, 86.8780, 80.8732



64.5982, 84.9916, 76.2970



73.5776, 88.9306, 107.8951



18.1559, 20.3219, 21.1240



20.8419, 38.2333, 17.5844



2.0845, 3.7447, 2.0027

Inverse Universe

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



71.1670, 60.6562, 74.9746



67.7001, 55.0994, 69.5736



67.0328, 59.0025, 53.2040



18.3827, 18.1364, 20.6322



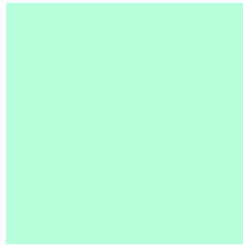
23.5815, 11.9219, 11.7128



2.3511, 1.1828, 1.4303

Previews

White Background



This preview shows how the XYZ color 68.4454, 86.8777, 80.8718 looks on a white background.

Color Contrast Check

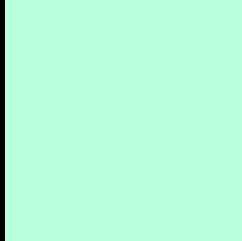
Large Text (above 18pt) WCAG AA × Fail

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 68.4454, 86.8777, 80.8718 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 68.4454, 86.8777, 80.8718

Background



This preview shows how black text looks on a background with the XYZ color 68.4454, 86.8777, 80.8718.



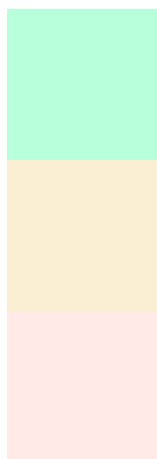
This preview shows how white text looks on a background with the XYZ color 68.4454, 86.8777,

80.8718.

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

68.4454, 86.8777, 80.8718

Protanopia

81.7567, 86.1762, 73.9526

Deuteranopia

85.0866, 85.8752, 87.6923



Tritanopia

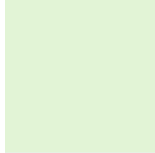
78.7196, 86.5203, 107.1589

Trichromacy



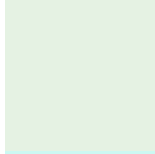
Original Color

68.4454, 86.8777, 80.8718



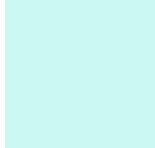
Protanomaly

75.8523, 85.7252, 76.1671



Deuteranomaly

77.9304, 85.7083, 85.1090



Tritanomaly

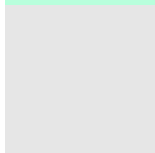
74.4963, 86.3830, 96.7516

Monochromacy



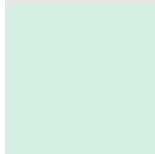
Original Color

68.4454, 86.8777, 80.8718



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0345, 81.3701, 83.8609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4454, 86.8777, 80.8718 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, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 220)  
}
```

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, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.4454, 86.8777, 80.8718 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, 255, 220) }
```


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

```
.border{ border-color:rgb(184, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4454, 86.8777, 80.8718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 220) }
```

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

```
.background{ background-color: rgb(184,  
255, 220) }
```

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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