

Converting Colors

XYZ(78.7697, 107.9611,
82.3986)

Have a look what the booklet for
XYZ(78.7697, 107.9611, 82.3986)
contains.

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Color

**XYZ(68.0515, 86.7201,
78.7976)**

Conversions

Conversions Part 1

Format	Color
Hex	B8FFD9
RGB	184, 255, 217
RGB Percent	72%, 100%, 85%
CMY	0.2784, 0.0000, 0.1490
CMYK	0.28, 0.00, 0.15, 0.00
HSL	148°, 100%, 86%
HSV	148°, 28%, 100%
XYZ	68.0515, 86.7201, 78.7976
YIQ	229.4390, -30.1180, -26.8700

Conversions

Conversions Part 2

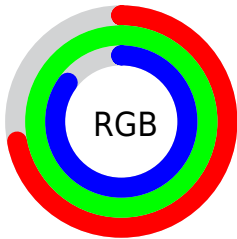
Format	Color
RYB	184, 232, 255
Decimal	12124121
CIELab	94.62, -29.50, 11.16
CIElCh	95, 31.544, 159.278
Yxy	86.7201, 0.2914, 0.3713
Android (android.graphics.Color)	4290314201 (0xFFB8FFD9)
YUV	229.4390, -6.1324, -39.8500
Hunter-Lab	93.1236, -32.5248, 15.0176

Details

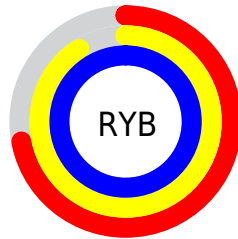
The XYZ color **68.0515, 86.7201, 78.7976** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.5657, 60.8156, 77.0738**, and the grayscale version is **74.8589, 78.7573, 85.7667**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **35.7689, 47.6639, 41.4973** is the 20% darker color. If you saturate the color by 10%, you get **60.7813, 83.1688, 69.5713**, and if you desaturate by 10%, it is **76.5710, 90.8984, 88.8515**.

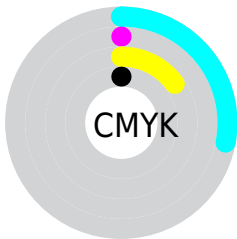
Distribution



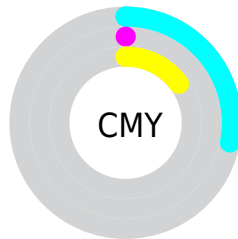
- Red (72%)
- Green (100%)
- Blue (85%)



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



- Cyan (28%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0515, 86.7201, 78.7976 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 68.0515, 86.7201, 78.7976 by changing the saturation by 10% instead.


 68.0515, 86.7201,
78.7976

 68.0515, 86.7201,
78.7976


443.0523,
517.3027, 510.4709

 50.2135, 65.2636,
58.2091


 115.4673,
142.7739, 133.4700

 35.8015, 47.6749,
41.5609


145.7758,
178.1401, 168.3909

 24.4504, 33.5695,
28.4347

180.9718,
218.9115, 208.9264

 15.7946, 22.5631,
18.4117

221.4207,
265.4727, 255.4949

 9.4688, 14.2712,
11.0735

267.4879,
318.2080, 308.5151

 5.1078, 8.3095,
6.0015

319.5386,

 2.3460, 4.2936,

377.5019, 368.4055

2.7772

377.9383,
443.7386, 435.5846

■ 0.8181, 1.8391,
0.9820

■ 0.0000, 0.5114,
0.0000

■ 68.0515, 86.7201,
78.7976

■ 68.0515, 86.7201,
78.7976

■ 60.7813, 83.1688,
69.5713

■ 76.5710, 90.8984,
88.8515

■ 54.6954, 80.2116,
61.1471

■ 86.3958, 95.7322,
99.7492

■ 49.7263, 77.8139,
53.5039

■ 95.0500, 100.0000,
108.9000

■ 45.7981, 75.9372,
46.6183

■ 42.8251, 74.5377,
40.4654

■ 40.7065, 73.5639,
35.0187

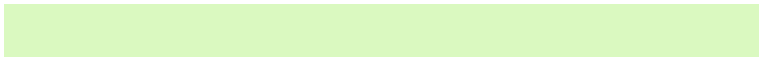
■ 39.3089, 72.9475,
30.2490

■ 39.0613, 72.8405,
29.3044

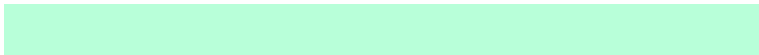
Harmonies

Analogous

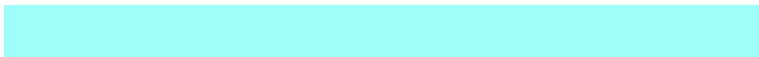
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4960, 86.7201, 62.6023



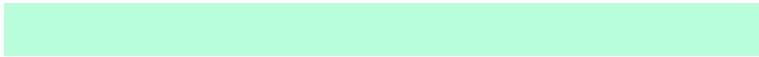
68.0515, 86.7201, 78.7976



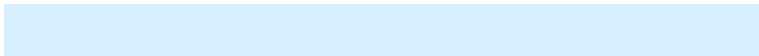
67.3112, 86.7201, 102.1804

Triad

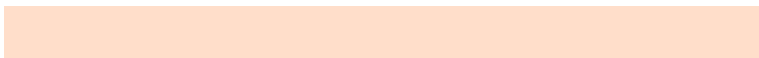
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.0515, 86.7201, 78.7976



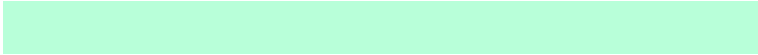
85.0906, 86.7201, 148.6188



95.7474, 86.7201, 67.7602

Complementary

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



68.0515, 86.7201, 78.7976



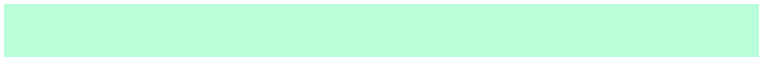
71.5657, 60.8156, 77.0738

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.



99.6467, 86.7201, 87.0693



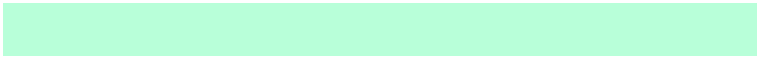
68.0515, 86.7201, 78.7976



93.2213, 86.7201, 135.5305

Square

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



68.0515, 86.7201, 78.7976



76.7711, 86.7201, 145.3713



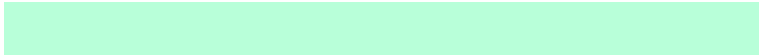
98.6917, 86.7201, 111.9895



88.3496, 86.7201, 57.0328

Rectangle

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



68.0515, 86.7201, 78.7976



68.9634, 86.7201, 119.2390



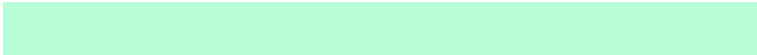
98.6917, 86.7201, 111.9895



97.5331, 86.7201, 73.3144

Sweetspot

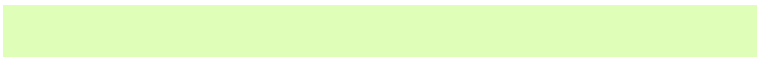
The Sweet Spot groups the original color and five complimentary colors.



68.0522, 86.7204, 78.7990



86.2306, 95.6508, 99.5708



74.8590, 90.6768, 58.9053



18.1229, 20.3087, 20.9500



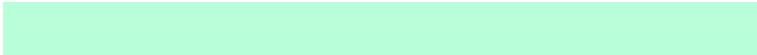
0.0000, 0.0000, 0.0000



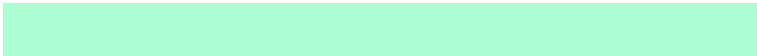
20.3446, 21.4041, 23.3091

Same Dimension

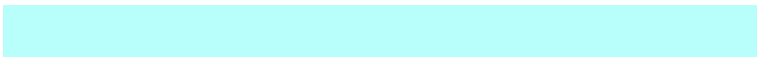
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0522, 86.7204, 78.7990



64.1502, 84.8124, 73.9381



73.0112, 88.7040, 104.9127



18.1229, 20.3087, 20.9500



20.4841, 38.0902, 15.7003



2.0490, 3.7305, 1.8158

Inverse Universe

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



71.5657, 60.8156, 77.0738



68.1546, 55.2812, 71.9672



67.4097, 59.1533, 55.1888



18.4158, 18.1496, 20.8068



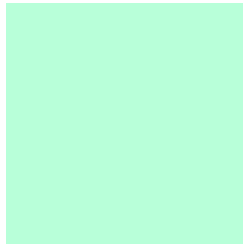
23.9648, 12.0752, 13.7309



2.3886, 1.1978, 1.6277

Previews

White Background



This preview shows how the XYZ color 68.0515, 86.7201, 78.7976 looks on a white background.

Color Contrast Check

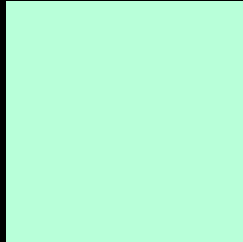
Large Text (above 18pt) WCAG AA × Fail

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 68.0515, 86.7201, 78.7976 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

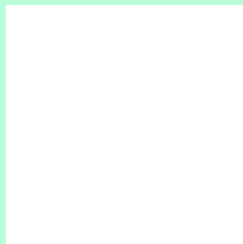
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0515, 86.7201, 78.7976

Background



This preview shows how black text looks on a background with the XYZ color 68.0515, 86.7201, 78.7976.



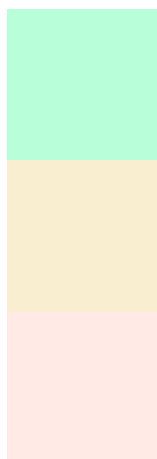
This preview shows how white text looks on a background with the XYZ color 68.0515, 86.7201,

78.7976.

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

68.0515, 86.7201, 78.7976

Protanopia

81.3840, 86.0271, 71.9900

Deuteranopia

84.9457, 85.8188, 86.9505



Tritanopia

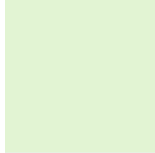
78.7196, 86.5203, 107.1589

Trichromacy



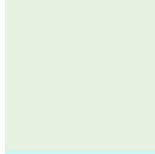
Original Color

68.0515, 86.7201, 78.7976



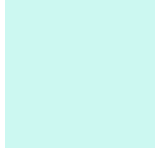
Protanomaly

75.4726, 85.5733, 74.1675



Deuteranomaly

77.6558, 85.5985, 83.6634



Tritanomaly

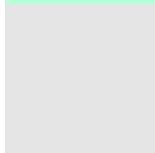
74.3464, 86.3230, 95.9626

Monochromacy



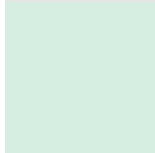
Original Color

68.0515, 86.7201, 78.7976



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.6057, 80.7314, 83.0429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0515, 86.7201, 78.7976 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 68.0515, 86.7201, 78.7976 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, 217) }
```


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

```
.border{ border-color:rgb(184, 255, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0515, 86.7201, 78.7976 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, 217) }
```

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

```
.background{ background-color: rgb(184,  
255, 217) }
```

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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