

Converting Colors

XYZ(74.8192, 100.0000,
80.7642)

Have a look what the booklet for
XYZ(74.8192, 100.0000, 80.7642)
contains.

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Color

**XYZ(68.2920, 86.8440,
78.8089)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FFD9
RGB	185, 255, 217
RGB Percent	73%, 100%, 85%
CMY	0.2745, 0.0000, 0.1490
CMYK	0.27, 0.00, 0.15, 0.00
HSL	147°, 100%, 86%
HSV	147°, 27%, 100%
XYZ	68.2920, 86.8440, 78.8089
YIQ	229.7380, -29.5220, -26.6580

Conversions

Conversions Part 2

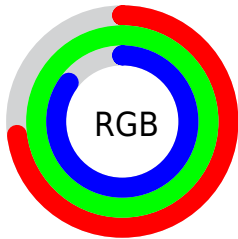
Format	Color
RYB	185, 233, 255
Decimal	12189657
CIELab	94.67, -29.20, 11.24
CIELCh	95, 31.294, 158.944
Yxy	86.8440, 0.2919, 0.3712
Android (android.graphics.Color)	4290379737 (0xFFB9FFD9)
YUV	229.7380, -6.2798, -39.2352
Hunter-Lab	93.1901, -32.2736, 15.0928

Details

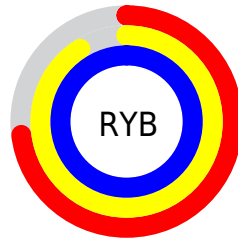
The XYZ color **68.2920, 86.8440, 78.8089** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.9088, 61.2866, 77.8517**, and the grayscale version is **75.0805, 78.9905, 86.0207**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **35.9216, 47.7426, 41.5044** is the 20% darker color. If you saturate the color by 10%, you get **60.9564, 83.2618, 69.4581**, and if you desaturate by 10%, it is **76.8835, 91.0562, 89.0097**.

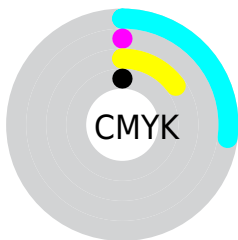
Distribution



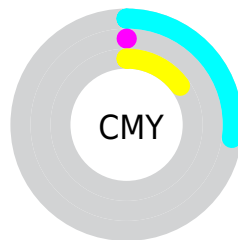
- Red (73%)
- Green (100%)
- Blue (85%)



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



- Cyan (27%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.2920, 86.8440, 78.8089 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 68.2920, 86.8440, 78.8089 by changing the saturation by 10% instead.

 68.2920, 86.8440,
78.8089

 68.2920, 86.8440,
78.8089


443.8904,
517.7101, 510.5101

 50.4099, 65.3661,
58.2183


 115.8094,
142.9467, 133.4860

 35.9583, 47.7580,
41.5683


146.1754,
178.3403, 168.4096

 24.5720, 33.6353,
28.4404


181.4333,
219.1412, 208.9480

 15.8855, 22.6136,
18.4160

221.9486,
265.7339, 255.5197

 9.5335, 14.3084,
11.0765

268.0866,
318.5028, 308.5432

 5.1506, 8.3355,
6.0035

320.2127,

 2.3716, 4.3104,

377.8321, 368.4371

2.7784

378.6922,
444.1065, 435.6199

■ 0.8309, 1.8486,
0.9826

■ 0.0000, 0.5172,
0.0000

■ 68.2920, 86.8440,
78.8089

■ 68.2920, 86.8440,
78.8089

■ 60.9564, 83.2618,
69.4581

■ 76.8835, 91.0562,
89.0097

■ 54.8117, 80.2764,
60.9308

■ 86.7865, 95.9267,
100.0776

■ 49.7902, 77.8536,
53.2052

■ 95.0500, 100.0000,
108.9000

■ 45.8164, 75.9547,
46.2571

■ 42.8048, 74.5361,
40.0605

■ 40.6551, 73.5469,
34.5880

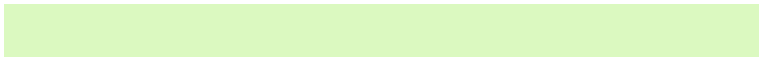
■ 39.2379, 72.9206,
29.8095

■ 38.9459, 72.7944,
28.6968

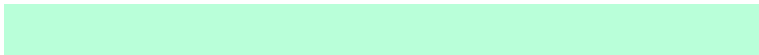
Harmonies

Analogous

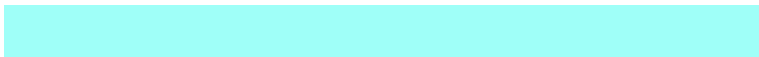
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7473, 86.8440, 62.7937



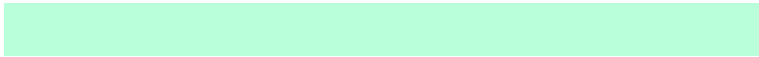
68.2920, 86.8440, 78.8089



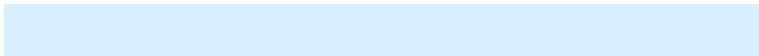
67.5131, 86.8440, 101.9769

Triad

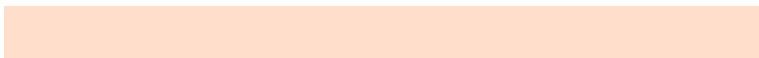
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2920, 86.8440, 78.8089



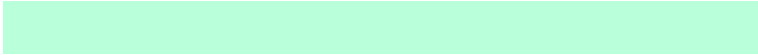
85.0939, 86.8440, 148.3630



95.8326, 86.8440, 68.2270

Complementary

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



68.2920, 86.8440, 78.8089



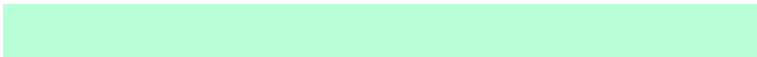
71.9088, 61.2866, 77.8517

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.



99.6519, 86.8440, 87.5086



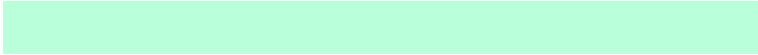
68.2920, 86.8440, 78.8089



93.1800, 86.8440, 135.5538

Square

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



68.2920, 86.8440, 78.8089



76.8427, 86.8440, 144.9586



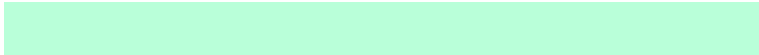
98.6494, 86.8440, 112.2776



88.5177, 86.8440, 57.4478

Rectangle

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



68.2920, 86.8440, 78.8089



69.1276, 86.8440, 118.9073



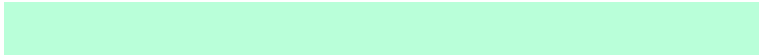
98.6494, 86.8440, 112.2776



97.5897, 86.8440, 73.7833

Sweetspot

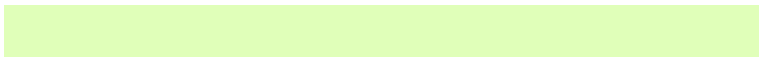
The Sweet Spot groups the original color and five complimentary colors.



68.2928, 86.8444, 78.8103



86.2069, 95.6413, 99.4461



75.1032, 90.7906, 59.4662



18.1169, 20.3063, 20.9186



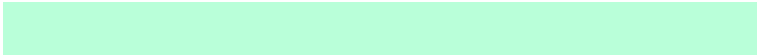
0.0000, 0.0000, 0.0000



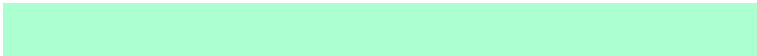
20.3446, 21.4041, 23.3091

Same Dimension

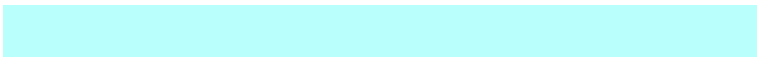
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2928, 86.8444, 78.8103



64.0702, 84.7804, 73.5167



73.2597, 88.8312, 104.9656



18.1169, 20.3063, 20.9186



20.4233, 38.0659, 15.3804



2.0429, 3.7281, 1.7837

Inverse Universe

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



71.9088, 61.2866, 77.8517



68.2380, 55.3145, 72.4061



67.7208, 59.6114, 55.7982



18.4218, 18.1520, 20.8385



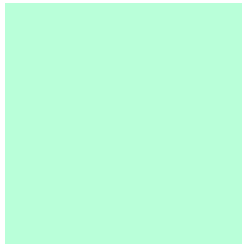
24.0383, 12.1046, 14.1180



2.3957, 1.2006, 1.6651

Previews

White Background



This preview shows how the XYZ color 68.2920, 86.8440, 78.8089 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 68.2920, 86.8440, 78.8089 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

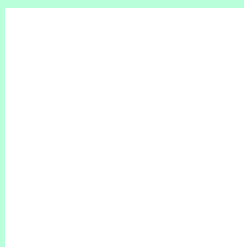
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.2920, 86.8440, 78.8089

Background



This preview shows how black text looks on a background with the XYZ color 68.2920, 86.8440, 78.8089.

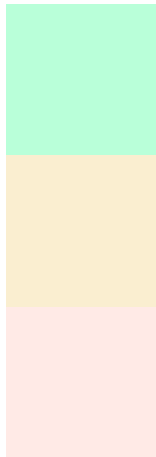


This preview shows how white text looks on a background with the XYZ color 68.2920, 86.8440,

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

68.2920, 86.8440, 78.8089

Protanopia

81.3840, 86.0271, 71.9900

Deuteranopia

84.9457, 85.8188, 86.9505



Tritanopia

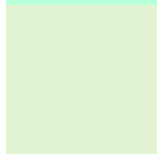
78.7196, 86.5203, 107.1589

Trichromacy



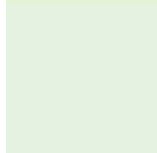
Original Color

68.2920, 86.8440, 78.8089



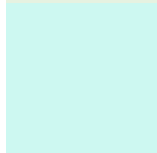
Protanomaly

75.4726, 85.5733, 74.1675



Deuteranomaly

77.9759, 85.7635, 83.6784



Tritanomaly

74.6214, 86.4648, 95.9755

Monochromacy



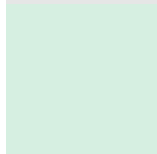
Original Color

68.2920, 86.8440, 78.8089



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.1887, 81.4654, 83.1538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2920, 86.8440, 78.8089 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 68.2920, 86.8440, 78.8089 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, 217) }
```


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

```
.border{ border-color:rgb(185, 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(185, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2920, 86.8440, 78.8089 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, 217) }
```

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

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