

Converting Colors

XYZ(68.3267, 86.7020, 86.0372)

Have a look what the booklet for
XYZ(68.3267, 86.7020, 86.0372)
contains.

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Color

**XYZ(68.2155, 86.6498,
85.8028)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFE3
RGB	179, 255, 227
RGB Percent	70%, 100%, 89%
CMY	0.2980, 0.0000, 0.1098
CMYK	0.30, 0.00, 0.11, 0.00
HSL	158°, 100%, 85%
HSV	158°, 30%, 100%
XYZ	68.2155, 86.6498, 85.8028
YIQ	229.0840, -36.3080, -24.8200

Conversions

Conversions Part 2

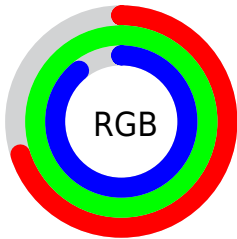
Format	Color
RYB	179, 226, 255
Decimal	11796451
CIELab	94.59, -29.02, 5.94
CIELCh	95, 29.617, 168.433
Yxy	86.6498, 0.2834, 0.3600
Android (android.graphics.Color)	4289986531 (0xFFB3FFE3)
YUV	229.0840, -1.0274, -43.9237
Hunter-Lab	93.0859, -32.0913, 10.5090

Details

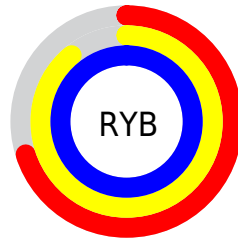
The XYZ color **68.2155, 86.6498, 85.8028** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.6231, 58.0061, 66.6111**, and the grayscale version is **74.5642, 78.4473, 85.4292**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **35.9527, 47.6518, 46.3325** is the 20% darker color. If you saturate the color by 10%, you get **61.5954, 83.3827, 78.9088**, and if you desaturate by 10%, it is **75.9977, 90.5076, 93.1233**.

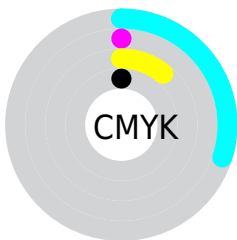
Distribution



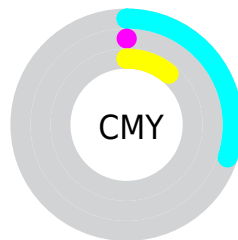
- Red (70%)
- Green (100%)
- Blue (89%)



- Red (70%)
- Yellow (89%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2155, 86.6498, 85.8028 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 68.2155, 86.6498, 85.8028 by changing the saturation by 10% instead.

 68.2155, 86.6498,
85.8028

 68.2155, 86.6498,
85.8028


443.6239,
517.0714, 534.4945

 50.3474, 65.2054,
63.9510


 115.7006,
142.6759, 143.3784

 35.9084, 47.6277,
46.1650


146.0483,
178.0265, 179.9392

 24.5333, 33.5321,
32.0265

181.2866,
218.7812, 222.2401

 15.8565, 22.5344,
21.1167

221.7808,
265.3245, 270.6996

 9.5129, 14.2501,
13.0173

267.8962,
318.0408, 325.7362

 5.1370, 8.2948,
7.3096

319.9984,

 2.3634, 4.2842,

377.3144, 387.7685

3.5751

378.4525,
443.5299, 457.2151

■ 0.8268, 1.8338,
1.3953

■ 0.0000, 0.5081,
0.1380

■ 68.2155, 86.6498,
85.8028

■ 68.2155, 86.6498,
85.8028

■ 61.5954, 83.3827,
78.9088

■ 75.9977, 90.5076,
93.1233

■ 56.0738, 80.6739,
72.4284

■ 84.9963, 94.9843,
100.8744

■ 51.5844, 78.4893,
66.3538

■ 95.0500, 100.0000,
108.9000

■ 48.0522, 76.7905,
60.6755

■ 45.3920, 75.5334,
55.3831

■ 43.5021, 74.6660,
50.4655

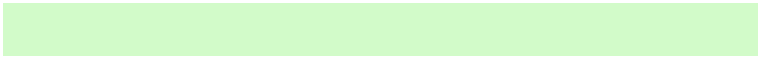
■ 42.2206, 74.1050,
45.9084

■ 42.1980, 74.0952,
45.8221

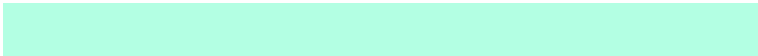
Harmonies

Analogous

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



71.3983, 86.6498, 68.0794



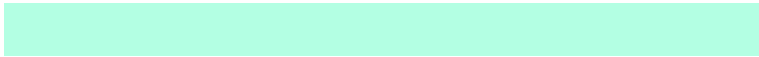
68.2155, 86.6498, 85.8028



68.6360, 86.6498, 108.9419

Triad

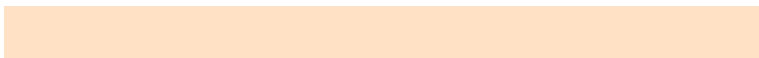
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.2155, 86.6498, 85.8028



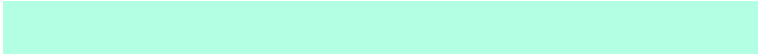
87.3079, 86.6498, 142.5043



92.9692, 86.6498, 65.1282

Complementary

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



68.2155, 86.6498, 85.8028



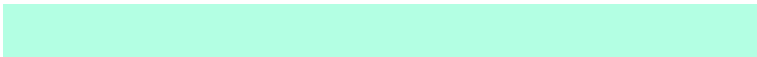
68.6231, 58.0061, 66.6111

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.



97.7970, 86.6498, 81.1173



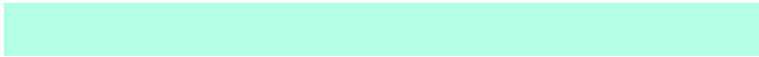
68.2155, 86.6498, 85.8028



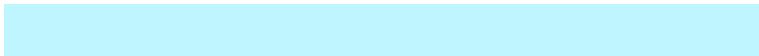
94.3856, 86.6498, 126.6272

Square

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



68.2155, 86.6498, 85.8028



79.3180, 86.6498, 144.3056



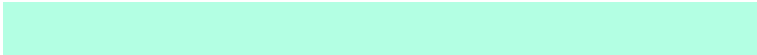
98.3315, 86.6498, 103.4402



85.4748, 86.6498, 57.4971

Rectangle

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



68.2155, 86.6498, 85.8028



70.9086, 86.6498, 124.3986



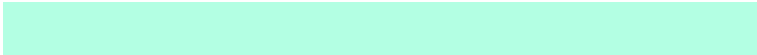
98.3315, 86.6498, 103.4402



94.9780, 86.6498, 69.5724

Sweetspot

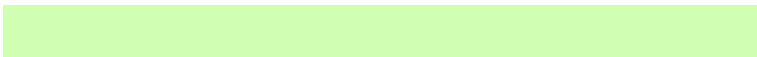
The Sweet Spot groups the original color and five complimentary colors.



68.2163, 86.6501, 85.8042



85.7733, 95.3715, 101.5159



69.9472, 88.2042, 55.9875



18.0590, 20.2639, 21.4803



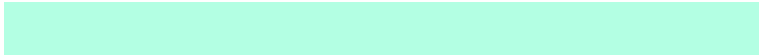
0.0000, 0.0000, 0.0000



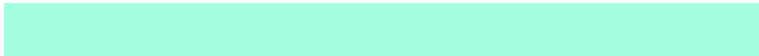
20.3446, 21.4041, 23.3091

Same Dimension

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



68.2163, 86.6501, 85.8042



63.9804, 84.5577, 81.4818



69.6373, 82.7968, 106.9188



18.2543, 20.3613, 21.6423



22.1238, 38.7461, 24.3352



2.2068, 3.7937, 2.6471

Inverse Universe

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



68.6231, 58.0061, 66.6111



64.4530, 51.5576, 59.3897



67.3321, 60.4251, 50.7634



18.2860, 18.0977, 20.1233



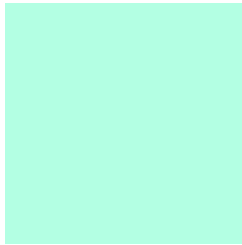
22.6688, 11.5568, 6.9063



2.2577, 1.1455, 0.9385

Previews

White Background



This preview shows how the XYZ color 68.2155, 86.6498, 85.8028 looks on a white background.

Color Contrast Check

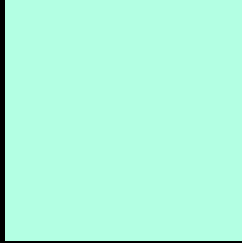
Large Text (above 18pt) WCAG AA × Fail

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 68.2155, 86.6498, 85.8028 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 68.2155, 86.6498, 85.8028

Background



This preview shows how black text looks on a background with the XYZ color 68.2155, 86.6498, 85.8028.



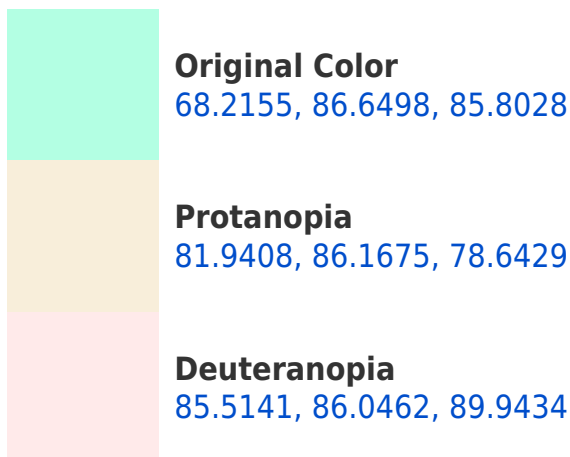
This preview shows how white text looks on a background with the XYZ color 68.2155, 86.6498,

85.8028.

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





Tritanopia

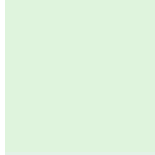
78.1322, 86.2175, 107.1314

Trichromacy



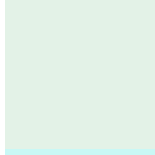
Original Color

68.2155, 86.6498, 85.8028



Protanomaly

75.8333, 85.6098, 80.9341



Deuteranomaly

77.8545, 85.6047, 88.0213



Tritanomaly

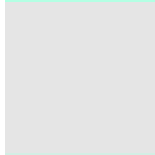
74.1362, 86.1449, 99.1064

Monochromacy



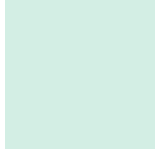
Original Color

68.2155, 86.6498, 85.8028



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.4421, 80.5994, 85.1906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2155, 86.6498, 85.8028 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(179, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 227)  
}
```

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(179, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 68.2155, 86.6498, 85.8028 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(179, 255, 227) }
```


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

```
.border{ border-color:rgb(179, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2155, 86.6498, 85.8028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 227) }
```

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

```
.background{ background-color: rgb(179,  
255, 227) }
```

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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