

Converting Colors

XYZ(68.1920, 86.3171, 85.0384)

Have a look what the booklet for
XYZ(68.1920, 86.3171, 85.0384)
contains.

XYZ(67.9917, 86.0779, 84.9827)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.9917, 86.0779,
84.9827)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FEE2
RGB	180, 254, 226
RGB Percent	71%, 100%, 89%
CMY	0.2941, 0.0039, 0.1137
CMYK	0.29, 0.00, 0.11, 0.00
HSL	157°, 97%, 85%
HSV	157°, 29%, 100%
XYZ	67.9917, 86.0779, 84.9827
YIQ	228.6820, -35.1160, -24.3960

Conversions

Conversions Part 2

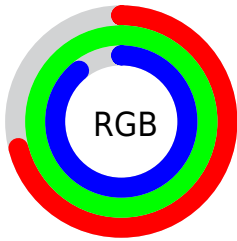
Format	Color
RYB	180, 226, 254
Decimal	11861730
CIELab	94.35, -28.45, 6.11
CIELCh	94, 29.103, 167.883
Yxy	86.0779, 0.2844, 0.3601
Android (android.graphics.Color)	4290051810 (0xFFB4FEE2)
YUV	228.6820, -1.3222, -42.6941
Hunter-Lab	92.7782, -31.5496, 10.6364

Details

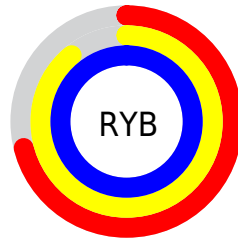
The XYZ color **67.9917, 86.0779, 84.9827** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.5825, 58.2697, 67.3106**, and the grayscale version is **74.2724, 78.1403, 85.0948**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **35.7744, 47.2328, 45.7594** is the 20% darker color. If you saturate the color by 10%, you get **61.3299, 82.7941, 77.9790**, and if you desaturate by 10%, it is **75.8158, 89.9570, 92.4304**.

Distribution



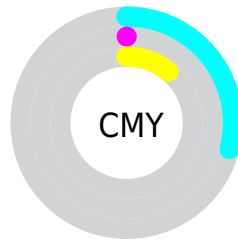
- Red (71%)
- Green (100%)
- Blue (89%)



- Red (71%)
- Yellow (89%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.9917, 86.0779, 84.9827 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 67.9917, 86.0779, 84.9827 by changing the saturation by 10% instead.


 67.9917, 86.0779,
84.9827

 67.9917, 86.0779,
84.9827


442.8438,
515.1880, 531.7139

 50.1646, 64.7324,
63.2770


 115.3822,
141.8782, 142.2230

 35.7626, 47.2441,
45.6229


145.6764,
177.1018, 178.5946

 24.4201, 33.2287,
31.6018


180.8570,
217.7201, 220.6920

 15.7720, 22.3017,
20.7953

221.2894,
264.1177, 268.9337

 9.4528, 14.0787,
12.7846

267.3389,
316.6789, 323.7381

 5.0971, 8.1755,
7.1514

319.3709,

 2.3397, 4.2074,

375.7881, 385.5240

3.4771

377.7508,
441.8297, 454.7097

■ 0.8149, 1.7903,
1.3431

■ 0.0000, 0.4811,
0.0967

■ 67.9917, 86.0779,
84.9827

■ 67.9917, 86.0779,
84.9827

■ 61.3299, 82.7941,
77.9790

■ 75.8158, 89.9570,
92.4304

■ 55.7627, 80.0638,
71.4045

■ 84.8509, 94.4493,
100.3251

■ 51.2264, 77.8568,
65.2516

■ 94.7071, 99.3562,
108.6564

■ 47.6474, 76.1351,
59.5102

■ 94.7334, 99.3667,
108.7945

■ 44.9418, 74.8557,
54.1697

■ 43.0102, 73.9675,
49.2184

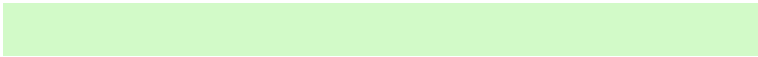
■ 41.7046, 73.3944,
44.6422

■ 41.6053, 73.3515,
44.2626

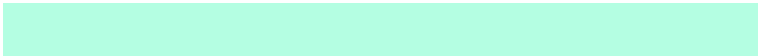
Harmonies

Analogous

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



71.1722, 86.0779, 67.7370



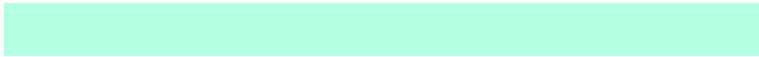
67.9917, 86.0779, 84.9827



68.3379, 86.0779, 107.5621

Triad

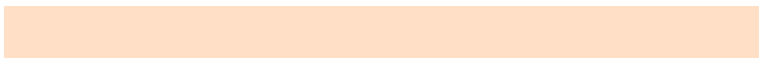
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.9917, 86.0779, 84.9827



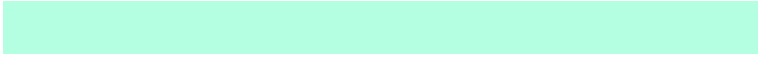
86.5134, 86.0779, 140.9055



92.3053, 86.0779, 65.3027

Complementary

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



67.9917, 86.0779, 84.9827



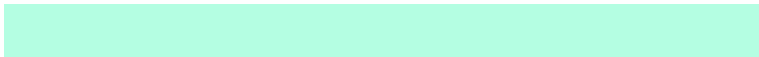
68.5825, 58.2697, 67.3106

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.



96.9556, 86.0779, 81.1271



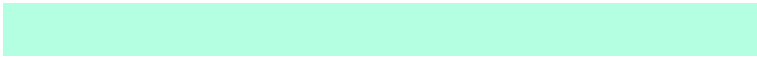
67.9917, 86.0779, 84.9827



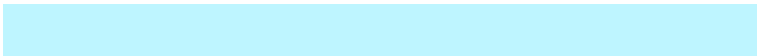
93.4680, 86.0779, 125.6298

Square

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



67.9917, 86.0779, 84.9827



78.7024, 86.0779, 142.3804



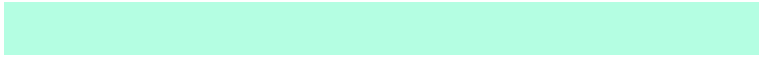
97.3941, 86.0779, 103.0455



85.0075, 86.0779, 57.6472

Rectangle

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



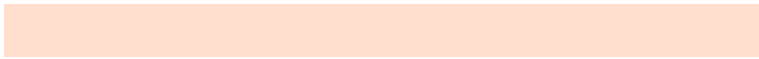
67.9917, 86.0779, 84.9827



70.5243, 86.0779, 122.6940



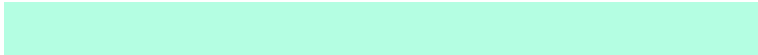
97.3941, 86.0779, 103.0455



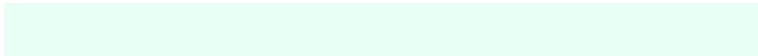
94.2495, 86.0779, 69.7162

Sweetspot

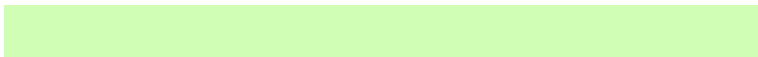
The Sweet Spot groups the original color and five complimentary colors.



67.9941, 86.0814, 84.9846



85.7380, 95.3574, 101.3299



69.7985, 87.6457, 56.4200



18.0503, 20.2604, 21.4344



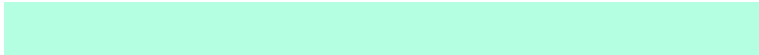
0.0000, 0.0000, 0.0000



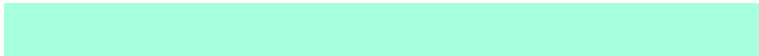
20.3446, 21.4041, 23.3091

Same Dimension

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



67.9941, 86.0814, 84.9846



64.5150, 84.8326, 81.5395



69.4780, 82.3894, 106.0109



18.2464, 20.3581, 21.6003



22.0079, 38.6998, 23.7248



2.1960, 3.7893, 2.5900

Inverse Universe

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



68.5825, 58.2697, 67.3106



65.2004, 52.5895, 61.0659



67.2328, 60.6060, 51.3360



18.2937, 18.1008, 20.1639



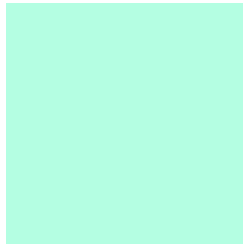
22.7306, 11.5815, 7.2318



2.2643, 1.1481, 0.9732

Previews

White Background



This preview shows how the XYZ color 67.9917, 86.0779, 84.9827 looks on a white background.

Color Contrast Check

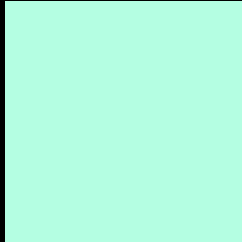
Large Text (above 18pt) WCAG AA × Fail

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 67.9917, 86.0779, 84.9827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

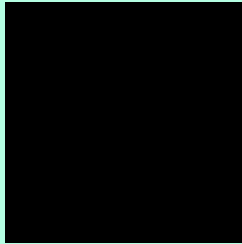
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

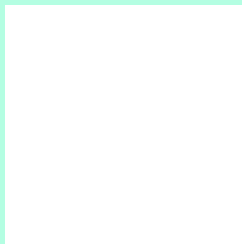
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.9917, 86.0779, 84.9827

Background



This preview shows how black text looks on a background with the XYZ color 67.9917, 86.0779, 84.9827.



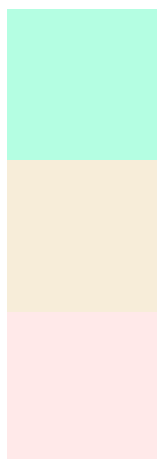
This preview shows how white text looks on a background with the XYZ color 67.9917, 86.0779,

84.9827.

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

67.9917, 86.0779, 84.9827

Protanopia

81.1663, 85.3523, 77.8424

Deuteranopia

85.0869, 85.4210, 89.0941



Tritanopia

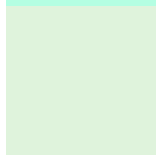
77.5521, 85.9184, 107.1042

Trichromacy



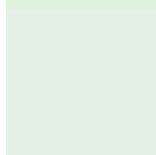
Original Color

67.9917, 86.0779, 84.9827



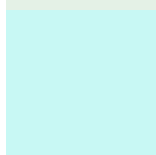
Protanomaly

75.4003, 84.9565, 80.1344



Deuteranomaly

77.7331, 85.1177, 87.1953



Tritanomaly

73.7160, 85.9458, 98.2919

Monochromacy



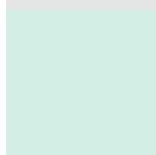
Original Color

67.9917, 86.0779, 84.9827



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 67.9917, 86.0779, 84.9827 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(180, 254, 226)` looks like.

```
.text, #text, p{  
    color:rgb(180, 254, 226)  
}
```

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(180, 254, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 254, 226) }
```

Border

The CSS property to change the border of an element to XYZ 67.9917, 86.0779, 84.9827 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(180, 254, 226) }
```


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

```
.border{ border-color:rgb(180, 254, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 254, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 254, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 254, 226); box-shadow:4px 4px 4px 4px rgb(180, 254, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9917, 86.0779, 84.9827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 254, 226) }
```

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

```
.background{ background-color: rgb(180,  
254, 226) }
```

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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