

Converting Colors

XYZ(66.8009, 85.4955, 83.5025)

Have a look what the booklet for
XYZ(66.8009, 85.4955, 83.5025)
contains.

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Color

**XYZ(66.8009, 85.4955,
83.5025)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FEE0
RGB	176, 254, 224
RGB Percent	69%, 100%, 88%
CMY	0.3098, 0.0039, 0.1216
CMYK	0.31, 0.00, 0.12, 0.00
HSL	157°, 98%, 84%
HSV	157°, 31%, 100%
XYZ	66.8009, 85.4955, 83.5025
YIQ	227.2580, -36.8580, -25.8660

Conversions

Conversions Part 2

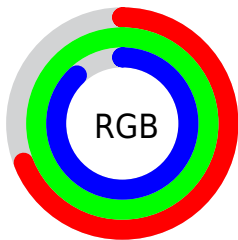
Format	Color
RYB	176, 224, 254
Decimal	11599584
CIELab	94.10, -30.01, 6.75
CIELCh	94, 30.756, 167.314
Yxy	85.4955, 0.2833, 0.3626
Android (android.graphics.Color)	4289789664 (0xFFB0FEE0)
YUV	227.2580, -1.6062, -44.9533
Hunter-Lab	92.4638, -32.8534, 11.1808

Details

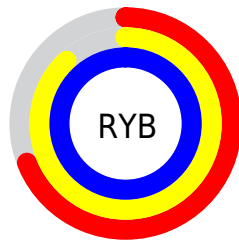
The XYZ color **66.8009, 85.4955, 83.5025** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5420, 56.5801, 65.7574**, and the grayscale version is **73.2339, 77.0478, 83.9050**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **35.0128, 46.8620, 44.7360** is the 20% darker color. If you saturate the color by 10%, you get **60.2994, 82.2949, 76.4801**, and if you desaturate by 10%, it is **74.4579, 89.2875, 90.9802**.

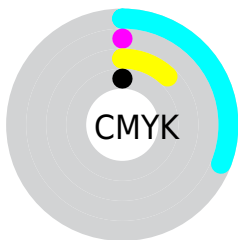
Distribution



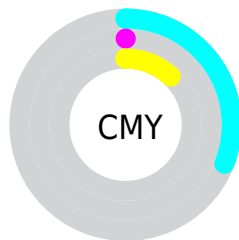
- Red (69%)
- Green (100%)
- Blue (88%)



- Red (69%)
- Yellow (88%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8009, 85.4955, 83.5025 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 66.8009, 85.4955, 83.5025 by changing the saturation by 10% instead.

66.8009, 85.4955,
83.5025

66.8009, 85.4955,
83.5025

438.6794,
513.2662, 526.6745

49.1929, 64.2509,
62.0618

113.6864,
141.0653, 140.1346

34.9877, 46.8539,
44.6465

143.6948,
176.1592, 176.1629

23.8199, 32.9202,
30.8382

178.5672,
216.6383, 217.8910

15.3241, 22.0653,
20.2182

218.6692,
262.8871, 265.7372

9.1349, 13.9049,
12.3681

264.3660,
315.2899, 320.1201

4.8871, 8.0545,
6.8693

316.0231,

2.2153, 4.1299,

374.2311, 381.4582

3.3033

374.0058,
440.0950, 450.1702

■ 0.7508, 1.7465,
1.2515

■ 0.0000, 0.4535,
0.0216

■ 66.8009, 85.4955,
83.5025

■ 66.8009, 85.4955,
83.5025

■ 60.2994, 82.2949,
76.4801

■ 74.4579, 89.2875,
90.9802

■ 54.8848, 79.6436,
69.8976

■ 83.3197, 93.6895,
98.9164

■ 50.4924, 77.5108,
63.7470

■ 93.4417, 98.7320,
107.3218

■ 47.0470, 75.8579,
58.0179

■ 94.7333, 99.3666,
108.7944

■ 44.4627, 74.6407,
52.6991

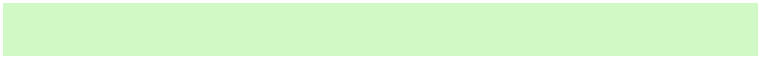
■ 42.6369, 73.8065,
47.7784

■ 41.4698, 73.2972,
43.5496

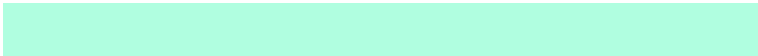
Harmonies

Analogous

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



70.1913, 85.4955, 65.6586



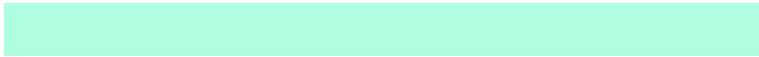
66.8009, 85.4955, 83.5025



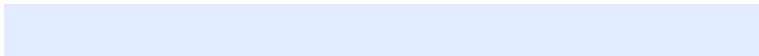
67.0911, 85.4955, 107.2166

Triad

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



66.8009, 85.4955, 83.5025



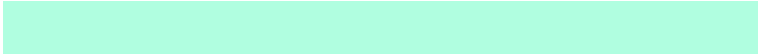
86.0544, 85.4955, 143.3158



92.4504, 85.4955, 63.6324

Complementary

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



66.8009, 85.4955, 83.5025



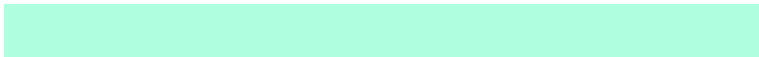
67.5420, 56.5801, 65.7574

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.



97.2973, 85.4955, 80.2623



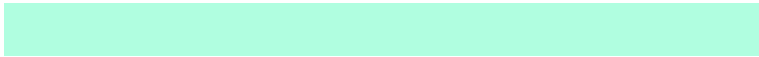
66.8009, 85.4955, 83.5025



93.4371, 85.4955, 127.2615

Square

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



66.8009, 85.4955, 83.5025



77.8404, 85.4955, 144.5806



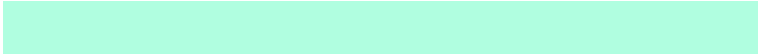
97.6701, 85.4955, 103.3848



84.7802, 85.4955, 55.5557

Rectangle

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



66.8009, 85.4955, 83.5025



69.3316, 85.4955, 123.3019



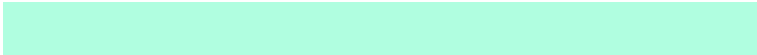
97.6701, 85.4955, 103.3848



94.4857, 85.4955, 68.2664

Sweetspot

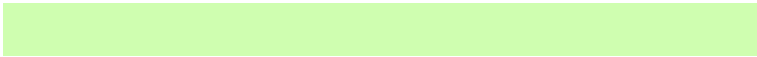
The Sweet Spot groups the original color and five complimentary colors.



66.8033, 85.4990, 83.5044



85.7160, 95.3486, 101.2140



69.0691, 87.3161, 54.2892



18.0448, 20.2583, 21.4058



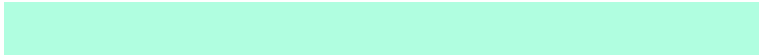
0.0000, 0.0000, 0.0000



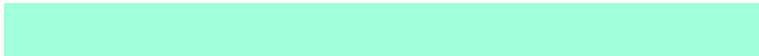
20.3446, 21.4041, 23.3091

Same Dimension

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



66.8033, 85.4990, 83.5044



63.1354, 84.1599, 79.7340



68.8133, 82.4226, 106.0522



18.2414, 20.3561, 21.5742



21.9368, 38.6713, 23.3503



2.1893, 3.7867, 2.5549

Inverse Universe

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



67.5420, 56.5801, 65.7574



63.9951, 50.6561, 59.1926



65.8112, 58.4057, 48.8806



18.2985, 18.1027, 20.1892



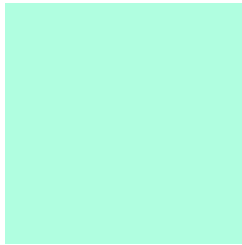
22.7701, 11.5973, 7.4400



2.2685, 1.1498, 0.9952

Previews

White Background



This preview shows how the XYZ color 66.8009, 85.4955, 83.5025 looks on a white background.

Color Contrast Check

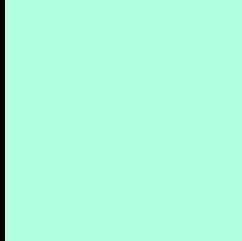
Large Text (above 18pt) WCAG AA × Fail

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 66.8009, 85.4955, 83.5025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

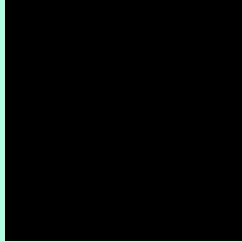
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.8009, 85.4955, 83.5025

Background



This preview shows how black text looks on a background with the XYZ color 66.8009, 85.4955, 83.5025.

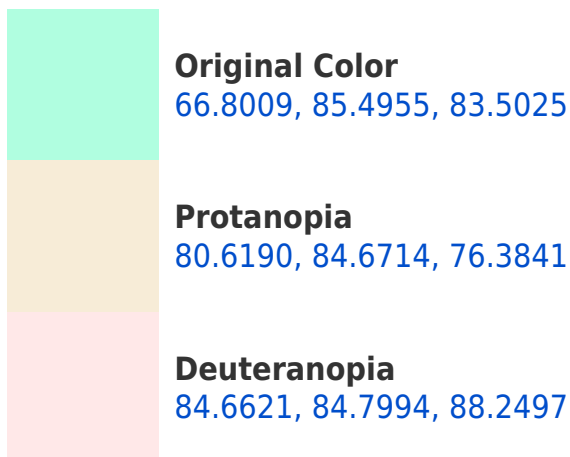


This preview shows how white text looks on a background with the XYZ color 66.8009, 85.4955,

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

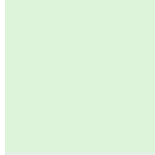
76.6789, 85.0228, 106.9774

Trichromacy



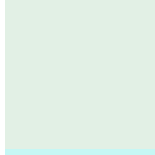
Original Color

66.8009, 85.4955, 83.5025



Protanomaly

74.5243, 84.5353, 78.7188



Deuteranomaly

76.6670, 84.1461, 86.3298



Tritanomaly

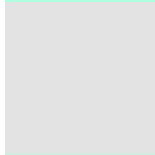
72.8786, 85.0589, 98.1649

Monochromacy



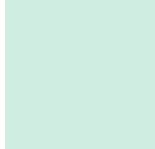
Original Color

66.8009, 85.4955, 83.5025



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0241, 79.4693, 83.5999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.8009, 85.4955, 83.5025 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(176, 254, 224)` looks like.

```
.text, #text, p{  
    color:rgb(176, 254, 224)  
}
```

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(176, 254, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 254, 224) }
```

Border

The CSS property to change the border of an element to XYZ 66.8009, 85.4955, 83.5025 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(176, 254, 224) }
```


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

```
.border{ border-color:rgb(176, 254, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 254, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 254, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 254, 224);  
box-shadow:4px 4px 4px 4px rgb(176, 254,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 66.8009, 85.4955, 83.5025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 254, 224) }
```

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

```
.background{ background-color: rgb(176,  
254, 224) }
```

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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