

Converting Colors

XYZ(66.4044, 85.1841, 83.6170)

Have a look what the booklet for
XYZ(66.4044, 85.1841, 83.6170)
contains.

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Color

**XYZ(66.3519, 85.2641,
83.4815)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFEE0
RGB	174, 254, 224
RGB Percent	68%, 100%, 88%
CMY	0.3176, 0.0039, 0.1216
CMYK	0.31, 0.00, 0.12, 0.00
HSL	157°, 98%, 84%
HSV	157°, 31%, 100%
XYZ	66.3519, 85.2641, 83.4815
YIQ	226.6600, -38.0500, -26.2900

Conversions

Conversions Part 2

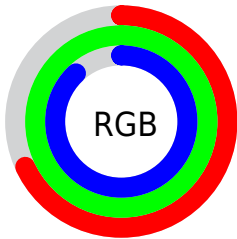
Format	Color
RYB	174, 223, 254
Decimal	11468512
CIELab	94.00, -30.58, 6.60
CIELCh	94, 31.279, 167.822
Yxy	85.2641, 0.2822, 0.3627
Android (android.graphics.Color)	4289658592 (0xFFAEFEE0)
YUV	226.6600, -1.3114, -46.1828
Hunter-Lab	92.3386, -33.3274, 11.0341

Details

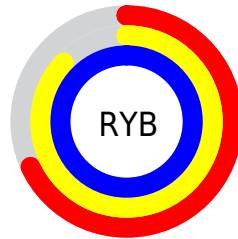
The XYZ color **66.3519, 85.2641, 83.4815** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **66.9111, 55.7047, 64.3556**, and the grayscale version is **72.7976, 76.5888, 83.4052**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **34.7354, 46.7190, 44.7230** is the 20% darker color. If you saturate the color by 10%, you get **59.9638, 82.1183, 76.6276**, and if you desaturate by 10%, it is **73.8871, 88.9974, 90.7706**.

Distribution



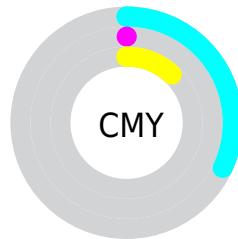
- Red (68%)
- Green (100%)
- Blue (88%)



- Red (68%)
- Yellow (87%)
- Blue (100%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.3519, 85.2641, 83.4815 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 66.3519, 85.2641, 83.4815 by changing the saturation by 10% instead.

66.3519, 85.2641,
83.4815

66.3519, 85.2641,
83.4815

437.1032,
512.5016, 526.6028

48.8269, 64.0596,
62.0445

113.0462,
140.7421, 140.1049

34.6961, 46.6990,
44.6327

142.9462,
175.7844, 176.1284

23.5943, 32.7977,
30.8273

177.7018,
216.2081, 217.8512

15.1561, 21.9715,
20.2101

217.6786,
262.3976, 265.6917

9.0160, 13.8360,
12.3622

263.2417,
314.7374, 320.0686

4.8088, 8.0067,
6.8654

314.7566,

2.1691, 4.0992,

373.6116, 381.4004

3.3009

372.5887,
439.4049, 450.1056

0.7264, 1.7292,
1.2502

0.0000, 0.4425,
0.0205

66.3519, 85.2641,
83.4815

66.3519, 85.2641,
83.4815

59.9638, 82.1183,
76.6276

73.8871, 88.9974,
90.7706

54.6540, 79.5179,
70.1941

82.6192, 93.3370,
98.4978

50.3573, 77.4317,
64.1734

92.6035, 98.3135,
106.6733

46.9980, 75.8207,
58.5557

94.7334, 99.3667,
108.7945

■ 44.4891, 74.6404,
53.3302

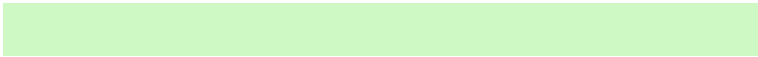
■ 42.7264, 73.8371,
48.4851

■ 41.6794, 73.3811,
44.6529

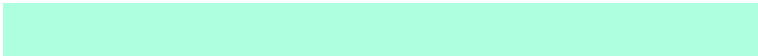
Harmonies

Analogous

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



69.7264, 85.2641, 65.2850



66.3519, 85.2641, 83.4815



66.7103, 85.2641, 107.6190

Triad

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



66.3519, 85.2641, 83.4815



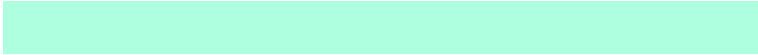
86.0498, 85.2641, 143.7949



92.2944, 85.2641, 62.7881

Complementary

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



66.3519, 85.2641, 83.4815



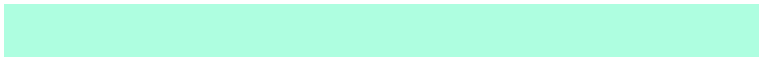
66.9111, 55.7047, 64.3556

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.



97.2897, 85.2641, 79.4766



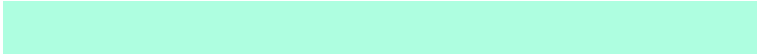
66.3519, 85.2641, 83.4815



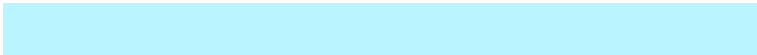
93.5177, 85.2641, 127.2222

Square

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



66.3519, 85.2641, 83.4815



77.7044, 85.2641, 145.3679



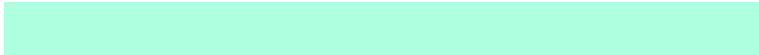
97.7522, 85.2641, 102.8690



84.4717, 85.2641, 54.7863

Rectangle

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



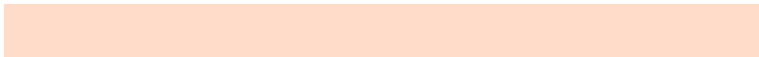
66.3519, 85.2641, 83.4815



69.0200, 85.2641, 123.9513



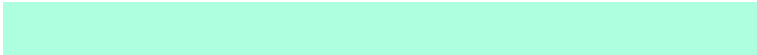
97.7522, 85.2641, 102.8690



94.3824, 85.2641, 67.4227

Sweetspot

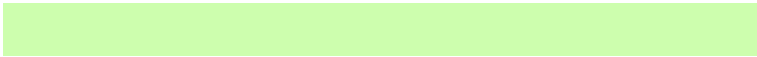
The Sweet Spot groups the original color and five complimentary colors.



66.3543, 85.2676, 83.4834



85.7499, 95.3622, 101.3927



68.1695, 86.8751, 53.2213



18.0532, 20.2616, 21.4499



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

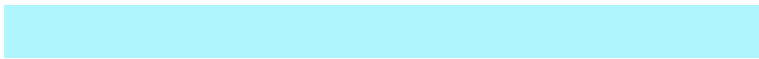
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3543, 85.2676, 83.4834



62.6217, 83.8958, 79.6764



67.8993, 81.2611, 105.8763



18.2491, 20.3592, 21.6145



22.0469, 38.7153, 23.9298



2.1997, 3.7908, 2.6092

Inverse Universe

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



66.9111, 55.7047, 64.3556



63.2710, 49.6627, 57.5495



65.5180, 58.1336, 47.8134



18.2911, 18.0998, 20.1502



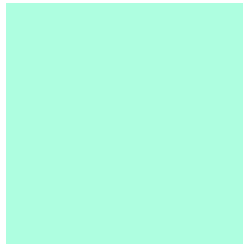
22.7095, 11.5731, 7.1206



2.2620, 1.1472, 0.9613

Previews

White Background



This preview shows how the XYZ color 66.3519, 85.2641, 83.4815 looks on a white background.

Color Contrast Check

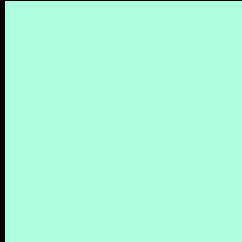
Large Text (above 18pt) WCAG AA × Fail

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 66.3519, 85.2641, 83.4815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

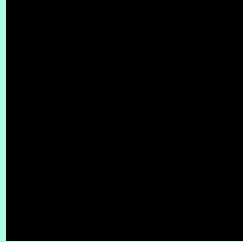
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

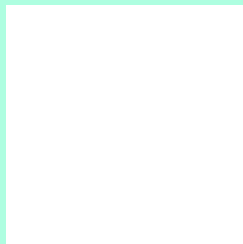
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.3519, 85.2641, 83.4815

Background



This preview shows how black text looks on a background with the XYZ color 66.3519, 85.2641, 83.4815.



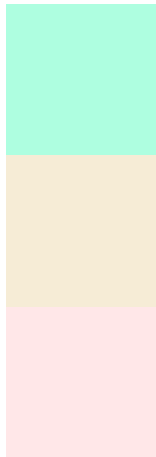
This preview shows how white text looks on a background with the XYZ color 66.3519, 85.2641,

83.4815.

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

66.3519, 85.2641, 83.4815

Protanopia

80.1391, 84.4388, 75.6929

Deuteranopia

84.3814, 84.2380, 88.1561



Tritanopia

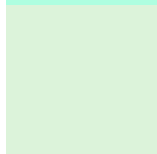
76.1130, 84.7311, 106.9509

Trichromacy



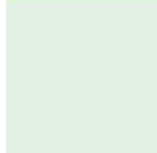
Original Color

66.3519, 85.2641, 83.4815



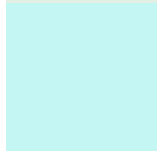
Protanomaly

74.2207, 84.3788, 78.7046



Deuteranomaly

76.3734, 83.5589, 86.2319



Tritanomaly

72.3548, 84.7889, 98.1403

Monochromacy



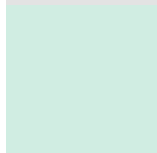
Original Color

66.3519, 85.2641, 83.4815



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 66.3519, 85.2641, 83.4815 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(174, 254, 224)` looks like.

```
.text, #text, p{  
    color:rgb(174, 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(174, 254, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 254, 224) }
```

Border

The CSS property to change the border of an element to XYZ 66.3519, 85.2641, 83.4815 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(174, 254, 224) }
```


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

```
.border{ border-color:rgb(174, 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(174, 254, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 254, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 254, 224);  
box-shadow:4px 4px 4px 4px rgb(174, 254,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3519, 85.2641, 83.4815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 254, 224) }
```

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

```
.background{ background-color: rgb(174,  
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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