

Converting Colors

XYZ(64.4762, 85.1407, 66.7118)

Have a look what the booklet for
XYZ(64.4762, 85.1407, 66.7118)
contains.

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Color

**XYZ(64.5434, 85.1809,
66.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFC6
RGB	179, 255, 198
RGB Percent	70%, 100%, 78%
CMY	0.2980, 0.0000, 0.2235
CMYK	0.30, 0.00, 0.22, 0.00
HSL	135°, 100%, 85%
HSV	135°, 30%, 100%
XYZ	64.5434, 85.1809, 66.4658
YIQ	225.7780, -26.9990, -33.8390

Conversions

Conversions Part 2

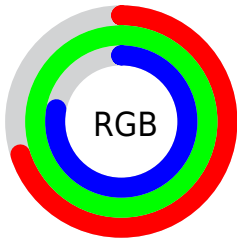
Format	Color
RYB	179, 240, 255
Decimal	11796422
CIELab	93.96, -34.49, 19.93
CIElCh	94, 39.832, 149.978
Yxy	85.1809, 0.2985, 0.3940
Android (android.graphics.Color)	4289986502 (0xFFB3FFC6)
YUV	225.7780, -13.6946, -41.0243
Hunter-Lab	92.2935, -36.6836, 21.9073

Details

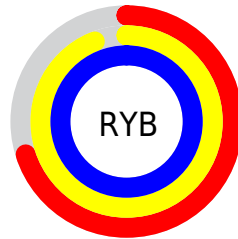
The XYZ color **64.5434, 85.1809, 66.4658** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72.5006, 59.5569, 87.0308**, and the grayscale version is **72.2378, 75.9997, 82.7637**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **33.5403, 46.6869, 33.6293** is the 20% darker color. If you saturate the color by 10%, you get **57.1160, 81.5909, 55.3212**, and if you desaturate by 10%, it is **73.3404, 89.4447, 79.1312**.

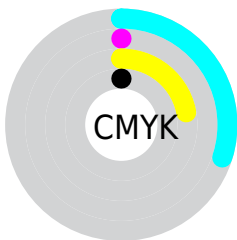
Distribution



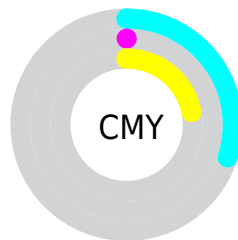
- Red (70%)
- Green (100%)
- Blue (78%)



- Red (70%)
- Yellow (94%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5434, 85.1809, 66.4658 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 64.5434, 85.1809, 66.4658 by changing the saturation by 10% instead.


 64.5434, 85.1809,
66.4658

 64.5434, 85.1809,
66.4658


430.7205,
512.2265, 466.4905

 47.3543, 63.9909,
48.1918


 110.4625,
140.6259, 115.7880

 33.5249, 46.6433,
33.6177


139.9232,
175.6496, 147.6732

 22.6900, 32.7537,
22.3251


174.2051,
216.0534, 184.9326

 14.4842, 21.9379,
13.8954

213.6736,
262.2216, 227.9846

 8.5422, 13.8112,
7.9100

258.6940,
314.5386, 277.2479

 4.4985, 7.9895,
3.9505

309.6318,

 1.9878, 4.0882,

373.3888, 333.1410

1.5982

366.8521,
439.1566, 396.0823

■ 0.6271, 1.7230,
0.2895

■ 0.0000, 0.4385,
0.0000

■ 64.5434, 85.1809,
66.4658

■ 64.5434, 85.1809,
66.4658

■ 57.1160, 81.5909,
55.3212

■ 73.3404, 89.4447,
79.1312

■ 50.9859, 78.6387,
45.6360

■ 83.5705, 94.4140,
93.3676

■ 46.0766, 76.2862,
37.3507

95.0500, 100.0000,
108.9000

■ 42.3028, 74.4907,
30.4000

■ 39.5678, 73.2037,
24.7134

■ 37.7572, 72.3681,
20.2136

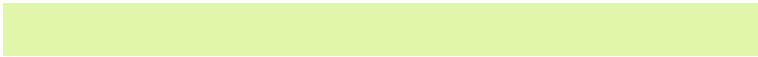
■ 36.6954, 71.8949,
16.8129

■ 36.6784, 71.8874,
16.7563

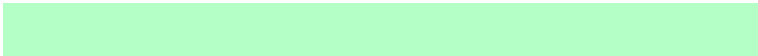
Harmonies

Analogous

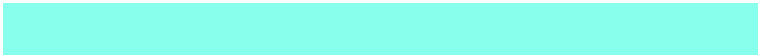
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.1850, 85.1809, 50.7665



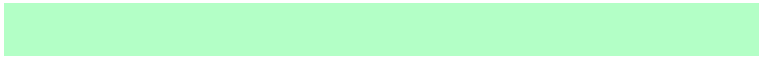
64.5434, 85.1809, 66.4658



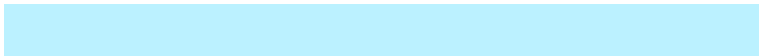
62.2174, 85.1809, 92.7250

Triad

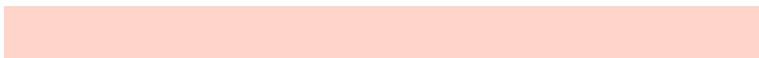
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5434, 85.1809, 66.4658



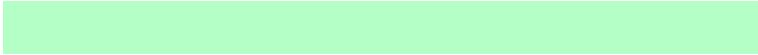
80.9540, 85.1809, 164.3477



99.9614, 85.1809, 66.4971

Complementary

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



64.5434, 85.1809, 66.4658



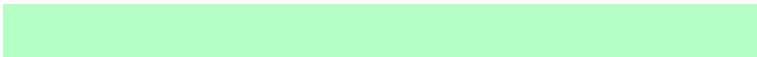
72.5006, 59.5569, 87.0308

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.



103.1372, 85.1809, 92.7701



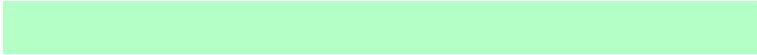
64.5434, 85.1809, 66.4658



91.5953, 85.1809, 153.1596

Square

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



64.5434, 85.1809, 66.4658



71.1725, 85.1809, 153.1281



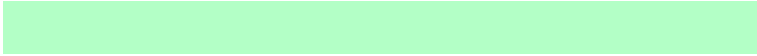
99.9523, 85.1809, 125.1784



91.6101, 85.1809, 50.7816

Rectangle

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



64.5434, 85.1809, 66.4658



63.2536, 85.1809, 114.1882



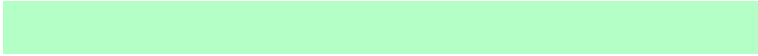
99.9523, 85.1809, 125.1784



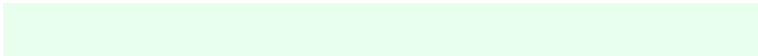
101.7005, 85.1809, 74.1742

Sweetspot

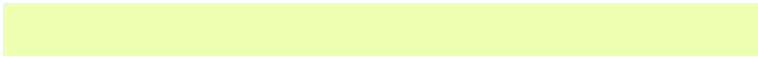
The Sweet Spot groups the original color and five complimentary colors.



64.5440, 85.1812, 66.4672



84.4564, 94.8448, 94.5811



78.4890, 92.6077, 56.3869



17.7352, 20.1344, 19.7755



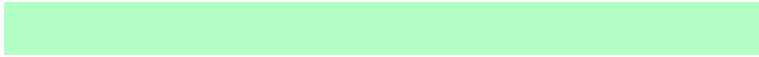
0.0000, 0.0000, 0.0000



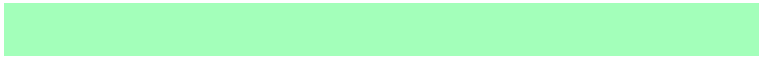
20.3446, 21.4041, 23.3091

Same Dimension

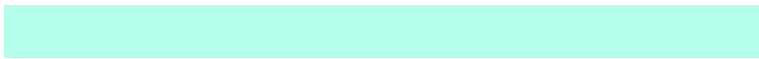
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5440, 85.1812, 66.4672



59.7843, 82.8793, 59.3850



69.4911, 87.1600, 92.5182



17.9578, 20.2427, 20.0809



19.2151, 37.5826, 9.0178



1.9124, 3.6759, 1.0965

Inverse Universe

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



72.5006, 59.5569, 87.0308



68.9452, 53.3544, 83.0449



67.5536, 57.5781, 60.9800



18.5872, 18.2182, 21.7093



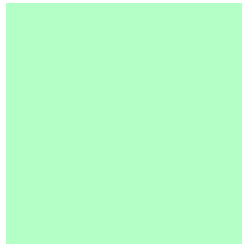
26.5397, 13.1052, 27.2904



2.6278, 1.2935, 2.8871

Previews

White Background



This preview shows how the XYZ color 64.5434, 85.1809, 66.4658 looks on a white background.

Color Contrast Check

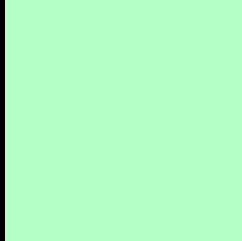
Large Text (above 18pt) WCAG AA × Fail

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 64.5434, 85.1809, 66.4658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

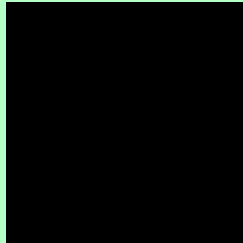
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

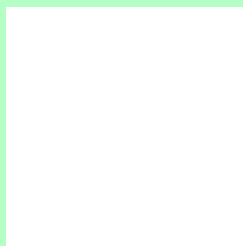
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5434, 85.1809, 66.4658

Background



This preview shows how black text looks on a background with the XYZ color 64.5434, 85.1809, 66.4658.



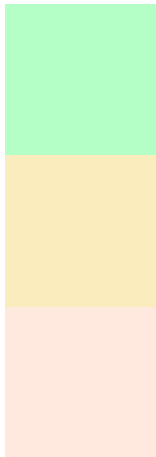
This preview shows how white text looks on a background with the XYZ color 64.5434, 85.1809,

66.4658.

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

64.5434, 85.1809, 66.4658

Protanopia

78.9644, 84.1743, 60.2295

Deuteranopia

83.1478, 84.1937, 80.2753



Tritanopia

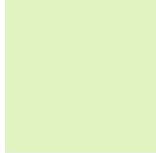
76.6661, 84.5731, 106.8913

Trichromacy



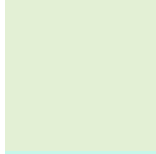
Original Color

64.5434, 85.1809, 66.4658



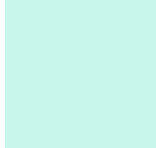
Protanomaly

72.6164, 83.9145, 62.2390



Deuteranomaly

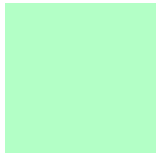
74.8489, 83.4552, 75.1143



Tritanomaly

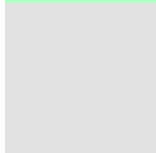
71.6652, 84.6042, 90.3950

Monochromacy



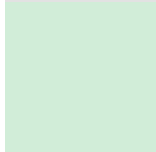
Original Color

64.5434, 85.1809, 66.4658



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

68.9734, 79.0816, 76.5947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5434, 85.1809, 66.4658 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 198) }
```

Border

The CSS property to change the border of an element to XYZ 64.5434, 85.1809, 66.4658 is called "border". The border property can be set on classes, ids or directly on the HTML element.

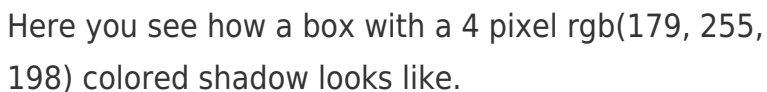
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 198) }
```


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

```
.border{ border-color:rgb(179, 255, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 198); box-shadow:4px 4px 4px 4px rgb(179, 255, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5434, 85.1809, 66.4658 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, 198) }
```

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

```
.background{ background-color: rgb(179,  
255, 198) }
```

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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