

Converting Colors

XYZ(65.1528, 85.4109, 70.2980)

Have a look what the booklet for
XYZ(65.1528, 85.4109, 70.2980)
contains.

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Color

**XYZ(65.0192, 85.3446,
70.1730)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FFCC
RGB	178, 255, 204
RGB Percent	70%, 100%, 80%
CMY	0.3020, 0.0000, 0.2000
CMYK	0.30, 0.00, 0.20, 0.00
HSL	140°, 100%, 85%
HSV	140°, 30%, 100%
XYZ	65.0192, 85.3446, 70.1730
YIQ	226.1630, -29.5210, -32.1850

Conversions

Conversions Part 2

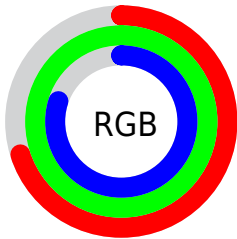
Format	Color
RYB	178, 236, 255
Decimal	11730892
CIELab	94.03, -33.71, 16.95
CIELCh	94, 37.737, 153.304
Yxy	85.3446, 0.2948, 0.3870
Android (android.graphics.Color)	4289920972 (0xFFB2FFCC)
YUV	226.1630, -10.9264, -42.2390
Hunter-Lab	92.3821, -36.0392, 19.6311

Details

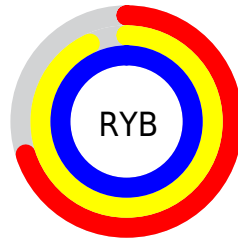
The XYZ color **65.0192, 85.3446, 70.1730** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.3036, 58.7587, 81.7121**, and the grayscale version is **72.4983, 76.2738, 83.0622**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **33.8675, 46.8011, 36.1027** is the 20% darker color. If you saturate the color by 10%, you get **57.7848, 81.8366, 59.8275**, and if you desaturate by 10%, it is **73.5622, 89.5018, 81.7292**.

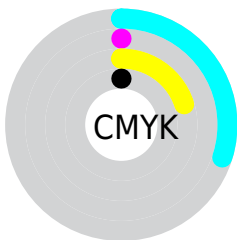
Distribution



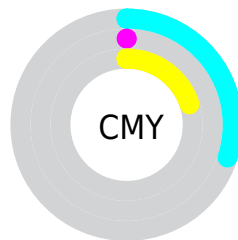
- Red (70%)
- Green (100%)
- Blue (80%)



- Red (70%)
- Yellow (93%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0192, 85.3446, 70.1730 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 65.0192, 85.3446, 70.1730 by changing the saturation by 10% instead.


 65.0192, 85.3446,
70.1730

 65.0192, 85.3446,
70.1730


432.4051,
512.7676, 479.9627

 47.7414, 64.1262,
51.1899


 111.1430,
140.8545, 121.1389

 33.8325, 46.7529,
35.9820


140.7197,
175.9148, 153.9587

 22.9273, 32.8403,
24.1307


175.1268,
216.3578, 192.2279

 14.6602, 22.0042,
15.2175


214.7296,
262.5680, 236.3650

 8.6660, 13.8599,
8.8239

259.8935,
314.9296, 286.7884

 4.5793, 8.0233,
4.5312

310.9838,

 2.0348, 4.1099,

373.8272, 343.9169

1.9211

368.3659,
439.6451, 408.1688

■ 0.6534, 1.7352,
0.5061

■ 0.0000, 0.4463,
0.0000

■ 65.0192, 85.3446,
70.1730

■ 65.0192, 85.3446,
70.1730

■ 57.7848, 81.8366,
59.8275

■ 73.5622, 89.5018,
81.7292

■ 51.7896, 78.9429,
50.6490

■ 83.4742, 94.3385,
94.5298

■ 46.9606, 76.6267,
42.5972

94.8140, 99.8844,
108.6120

■ 43.2163, 74.8468,
35.6277

95.0500, 100.0000,
108.9000

■ 40.4635, 73.5562,
29.6933

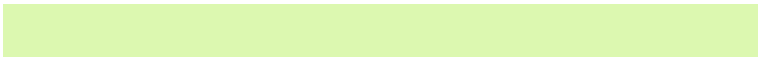
■ 38.5924, 72.6993,
24.7426

■ 37.4440, 72.1936,
20.7879

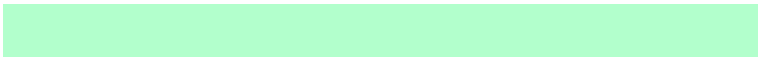
Harmonies

Analogous

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



70.9434, 85.3446, 53.8574



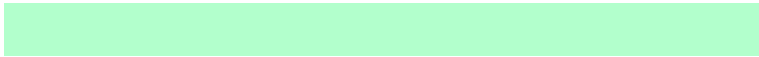
65.0192, 85.3446, 70.1730



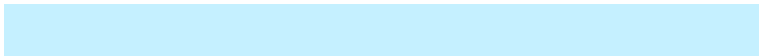
63.2817, 85.3446, 96.1588

Triad

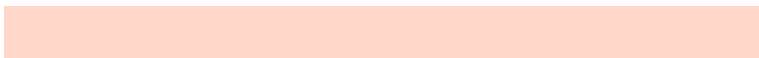
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0192, 85.3446, 70.1730



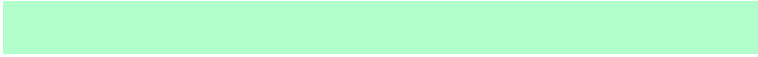
82.2386, 85.3446, 160.0091



98.4003, 85.3446, 65.6816

Complementary

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



65.0192, 85.3446, 70.1730



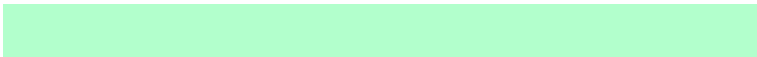
71.3036, 58.7587, 81.7121

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.



102.0243, 85.3446, 89.7661



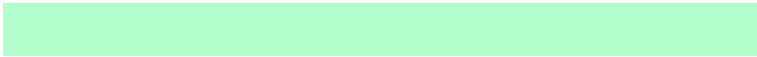
65.0192, 85.3446, 70.1730



92.2206, 85.3446, 147.4041

Square

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



65.0192, 85.3446, 70.1730



72.7259, 85.3446, 151.7943



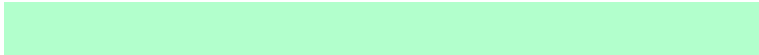
99.6752, 85.3446, 120.1311



90.1309, 85.3446, 51.6660

Rectangle

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



65.0192, 85.3446, 70.1730



64.6022, 85.3446, 116.6357



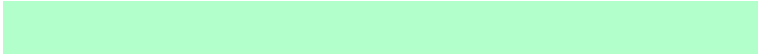
99.6752, 85.3446, 120.1311



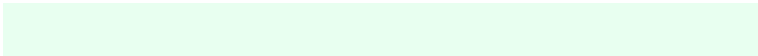
100.2318, 85.3446, 72.6687

Sweetspot

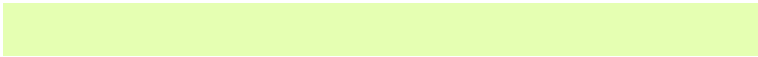
The Sweet Spot groups the original color and five complimentary colors.



65.0199, 85.3450, 70.1744



84.7534, 94.9635, 96.1449



76.2159, 91.4474, 55.7547



17.8080, 20.1635, 20.1587



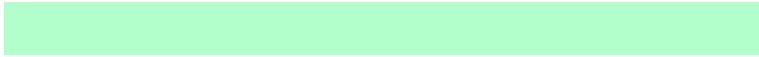
0.0000, 0.0000, 0.0000



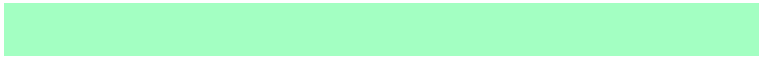
20.3446, 21.4041, 23.3091

Same Dimension

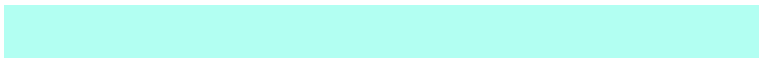
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0199, 85.3450, 70.1744



60.6651, 83.2316, 64.0237



70.1727, 87.4061, 97.3085



18.0246, 20.2694, 20.4326



19.6274, 37.7475, 11.1890



1.9596, 3.6948, 1.3452

Inverse Universe

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



71.3036, 58.7587, 81.7121



67.8275, 52.9074, 77.1595



66.5466, 56.8559, 56.6620



18.5167, 18.1900, 21.3379



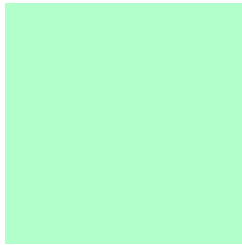
25.3581, 12.6325, 21.0680



2.5201, 1.2504, 2.3200

Previews

White Background



This preview shows how the XYZ color 65.0192, 85.3446, 70.1730 looks on a white background.

Color Contrast Check

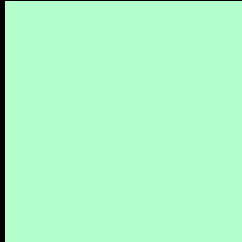
Large Text (above 18pt) WCAG AA × Fail

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 65.0192, 85.3446, 70.1730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

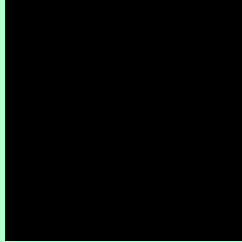
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

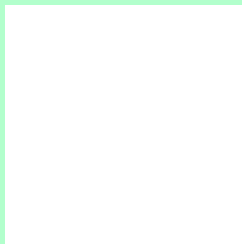
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.0192, 85.3446, 70.1730

Background



This preview shows how black text looks on a background with the XYZ color 65.0192, 85.3446, 70.1730.



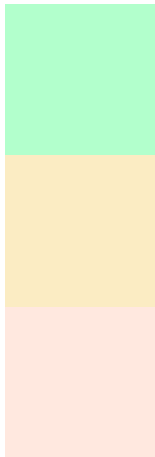
This preview shows how white text looks on a background with the XYZ color 65.0192, 85.3446,

70.1730.

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

65.0192, 85.3446, 70.1730

Protanopia

79.6294, 84.4403, 63.7314

Deuteranopia

83.4159, 84.3009, 81.6873



Tritanopia

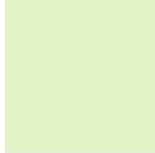
76.9646, 85.1701, 106.9907

Trichromacy



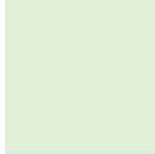
Original Color

65.0192, 85.3446, 70.1730



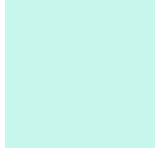
Protanomaly

72.9841, 84.0257, 65.7980



Deuteranomaly

75.2333, 83.6089, 77.1387



Tritanomaly

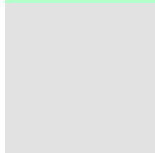
71.9543, 84.7198, 91.9170

Monochromacy



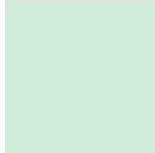
Original Color

65.0192, 85.3446, 70.1730



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.2336, 79.1856, 77.9650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0192, 85.3446, 70.1730 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(178, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 204)  
}
```

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(178, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 204) }
```

Border

The CSS property to change the border of an element to XYZ 65.0192, 85.3446, 70.1730 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(178, 255, 204) }
```


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

```
.border{ border-color:rgb(178, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0192, 85.3446, 70.1730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 204) }
```

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

```
.background{ background-color: rgb(178,  
255, 204) }
```

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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