

Converting Colors

XYZ(72.0110, 100.0000,
66.1566)

Have a look what the booklet for
XYZ(72.0110, 100.0000, 66.1566)
contains.

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Color

**XYZ(64.6770, 85.3153,
63.5107)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FFC1
RGB	182, 255, 193
RGB Percent	71%, 100%, 76%
CMY	0.2863, 0.0000, 0.2431
CMYK	0.29, 0.00, 0.24, 0.00
HSL	129°, 100%, 86%
HSV	129°, 29%, 100%
XYZ	64.6770, 85.3153, 63.5107
YIQ	226.1050, -23.6060, -34.7580

Conversions

Conversions Part 2

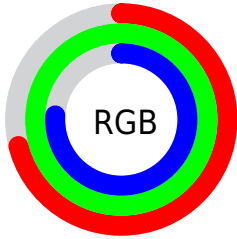
Format	Color
RYB	182, 245, 255
Decimal	11993025
CIELab	94.02, -34.43, 22.58
CIElCh	94, 41.178, 146.743
Yxy	85.3153, 0.3029, 0.3996
Android (android.graphics.Color)	4290183105 (0xFFB6FFC1)
YUV	226.1050, -16.3208, -38.6801
Hunter-Lab	92.3663, -36.6512, 23.8888

Details

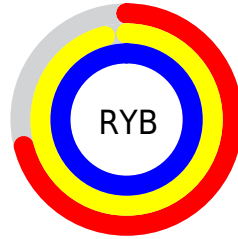
The XYZ color **64.6770, 85.3153, 63.5107** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.2972, 61.2481, 93.4935**, and the grayscale version is **72.4909, 76.2660, 83.0537**.

A 20% lighter version of the original color is **88.6119, 96.7728, 104.4512**, and **33.6067, 46.7643, 31.6812** is the 20% darker color. If you saturate the color by 10%, you get **56.9512, 81.5915, 51.4478**, and if you desaturate by 10%, it is **73.8544, 89.7465, 77.4910**.

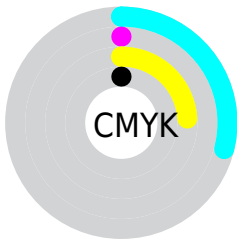
Distribution



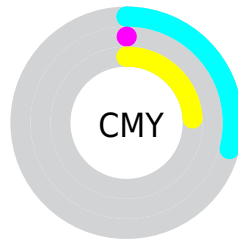
- Red (71%)
- Green (100%)
- Blue (76%)



- Red (71%)
- Yellow (96%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6770, 85.3153, 63.5107 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 64.6770, 85.3153, 63.5107 by changing the saturation by 10% instead.


 64.6770, 85.3153,
63.5107

 64.6770, 85.3153,
63.5107

431.1939,
512.6708, 455.5794

 47.4629, 64.1019,
45.8108


 110.6537,
140.8136, 111.4986

 33.6113, 46.7332,
31.7490


140.1470,
175.8674, 142.6238

 22.7566, 32.8248,
20.9066


174.4641,
216.3033, 179.0611

 14.5336, 21.9923,
12.8652

213.9703,
262.5060, 221.2292

 8.5769, 13.8512,
7.2061

259.0311,
314.8596, 269.5465

 4.5211, 8.0173,
3.5110

310.0117,

 2.0010, 4.1060,

373.7487, 324.4316

1.3611

367.2775,
439.5577, 386.3031

■ 0.6345, 1.7330,
0.1111

■ 0.0000, 0.4449,
0.0000

■ 64.6770, 85.3153,
63.5107

■ 64.6770, 85.3153,
63.5107

■ 56.9512, 81.5915,
51.4478

■ 73.8544, 89.7465,
77.4910

■ 50.6002, 78.5374,
41.2149

■ 84.5511, 94.9184,
93.4630

■ 45.5431, 76.1130,
32.7236

95.0500, 100.0000,
108.9000

■ 41.6894, 74.2739,
25.8768

■ 38.9368, 72.9696,
20.5677

■ 37.1656, 72.1408,
16.6770

■ 36.2111, 71.7055,
14.0668

■ 36.1168, 71.6627,
13.7989

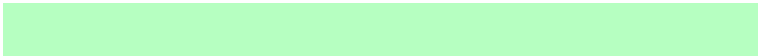
Harmonies

Analogous

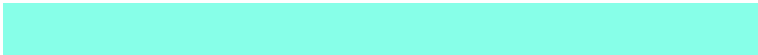
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9506, 85.3153, 48.6649



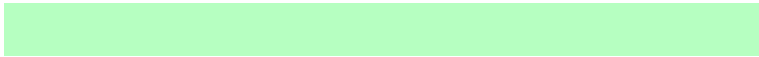
64.6770, 85.3153, 63.5107



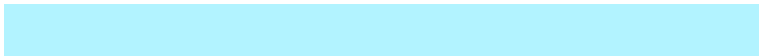
61.7754, 85.3153, 89.4994

Triad

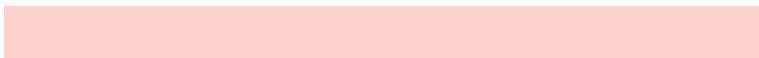
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.6770, 85.3153, 63.5107



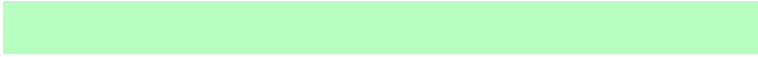
79.8956, 85.3153, 167.3294



101.4545, 85.3153, 68.2432

Complementary

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



64.6770, 85.3153, 63.5107



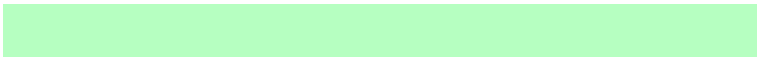
74.2972, 61.2481, 93.4935

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.



104.0605, 85.3153, 96.3731



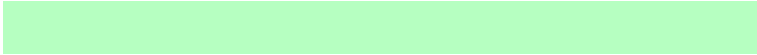
64.6770, 85.3153, 63.5107



90.9715, 85.3153, 158.0698

Square

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



64.6770, 85.3153, 63.5107



70.0484, 85.3153, 153.2220



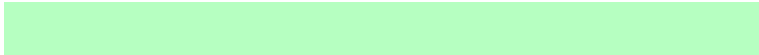
100.0675, 85.3153, 130.1759



93.2341, 85.3153, 50.9326

Rectangle

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



64.6770, 85.3153, 63.5107



62.4968, 85.3153, 111.4349



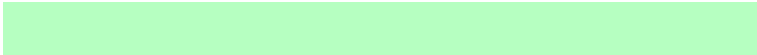
100.0675, 85.3153, 130.1759



103.0465, 85.3153, 76.5327

Sweetspot

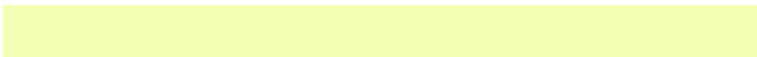
The Sweet Spot groups the original color and five complimentary colors.



64.6776, 85.3156, 63.5121



84.1239, 94.7118, 92.8304



81.5293, 94.1395, 58.1304



17.6539, 20.1019, 19.3474



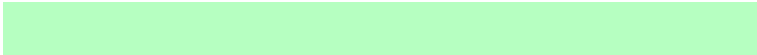
0.0000, 0.0000, 0.0000



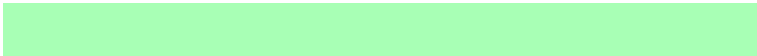
20.3446, 21.4041, 23.3091

Same Dimension

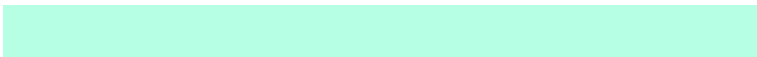
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6776, 85.3156, 63.5121



60.3505, 83.2290, 56.7970



69.2576, 87.1476, 87.6299



17.8831, 20.2128, 19.6874



18.9049, 37.4586, 7.3847



1.8720, 3.6597, 0.8836

Inverse Universe

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



74.2972, 61.2481, 93.4935



71.3152, 55.7830, 90.9612



69.2982, 59.2485, 67.1689



18.6681, 18.2505, 22.1352



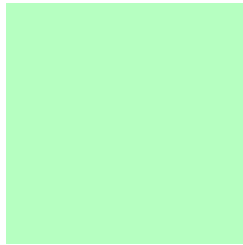
28.1086, 13.7327, 35.5518



2.7673, 1.3493, 3.6222

Previews

White Background



This preview shows how the XYZ color 64.6770, 85.3153, 63.5107 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 64.6770, 85.3153, 63.5107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

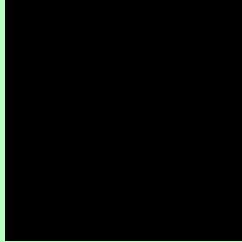
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

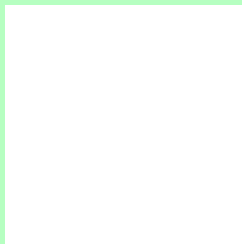
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6770, 85.3153, 63.5107

Background



This preview shows how black text looks on a background with the XYZ color 64.6770, 85.3153, 63.5107.

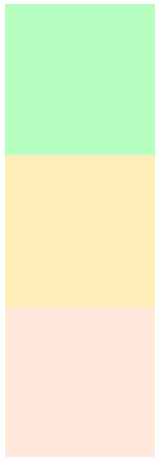


This preview shows how white text looks on a background with the XYZ color 64.6770, 85.3153,

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

64.6770, 85.3153, 63.5107

Protanopia

79.4439, 84.9117, 57.5499

Deuteranopia

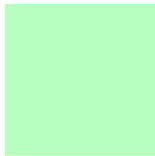
83.2972, 84.7051, 79.6696



Tritanopia

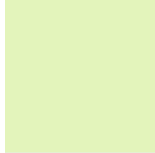
76.9535, 84.7213, 106.9047

Trichromacy



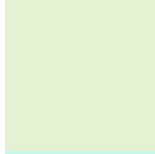
Original Color

64.6770, 85.3153, 63.5107



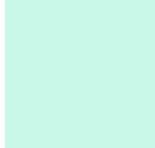
Protanomaly

72.9989, 84.6201, 59.4996



Deuteranomaly

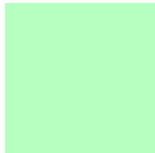
75.0831, 84.0577, 73.2402



Tritanomaly

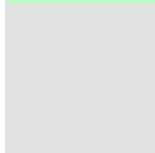
71.9136, 84.7652, 88.9150

Monochromacy



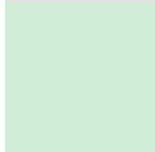
Original Color

64.6770, 85.3153, 63.5107



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.0001, 79.1251, 75.2543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6770, 85.3153, 63.5107 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(182, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 193)  
}
```

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(182, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 64.6770, 85.3153, 63.5107 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(182, 255, 193) }
```


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

```
.border{ border-color:rgb(182, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6770, 85.3153, 63.5107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 193) }
```

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

```
.background{ background-color: rgb(182,  
255, 193) }
```

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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