

Converting Colors

XYZ(64.2877, 84.9982, 68.7544)

Have a look what the booklet for
XYZ(64.2877, 84.9982, 68.7544)
contains.

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Color

**XYZ(64.3252, 85.0144,
68.8962)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFCA
RGB	176, 255, 202
RGB Percent	69%, 100%, 79%
CMY	0.3098, 0.0000, 0.2078
CMYK	0.31, 0.00, 0.21, 0.00
HSL	140°, 100%, 85%
HSV	140°, 31%, 100%
XYZ	64.3252, 85.0144, 68.8962
YIQ	225.3370, -30.0710, -33.2310

Conversions

Conversions Part 2

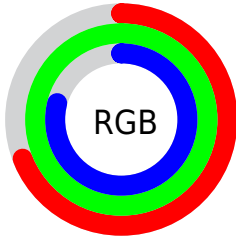
Format	Color
RYB	176, 235, 255
Decimal	11599818
CIELab	93.89, -34.67, 17.76
CIELCh	94, 38.959, 152.876
Yxy	85.0144, 0.2948, 0.3896
Android (android.graphics.Color)	4289789898 (0xFFB0FFCA)
YUV	225.3370, -11.5051, -43.2685
Hunter-Lab	92.2033, -36.8259, 20.2395

Details

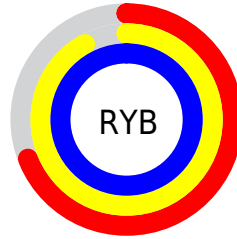
The XYZ color **64.3252, 85.0144, 68.8962** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.9086, 57.9686, 81.5804**, and the grayscale version is **71.9060, 75.6507, 82.3836**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **33.4245, 46.5912, 35.2483** is the 20% darker color. If you saturate the color by 10%, you get **57.1761, 81.5501, 58.5680**, and if you desaturate by 10%, it is **72.7832, 89.1274, 80.4606**.

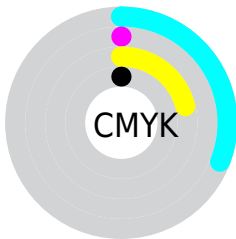
Distribution



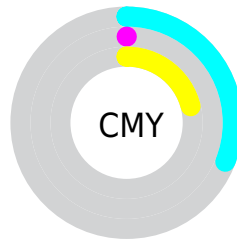
- Red (69%)
- Green (100%)
- Blue (79%)



- Red (69%)
- Yellow (92%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3252, 85.0144, 68.8962 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 64.3252, 85.0144, 68.8962 by changing the saturation by 10% instead.


 64.3252, 85.0144,
68.8962

 64.3252, 85.0144,
68.8962


429.9467,
511.6757, 475.3488

 47.1768, 63.8533,
50.1559


 110.1503,
140.3933, 119.2996

 33.3840, 46.5319,
35.1653


139.5576,
175.3799, 151.7999

 22.5814, 32.6657,
23.5056


173.7820,
215.7437, 189.7238

 14.4037, 21.8705,
14.7585

213.1888,
261.8692, 233.4901

 8.4856, 13.7618,
8.5053

258.1432,
314.1407, 283.5172

 4.4616, 7.9552,
4.3276

309.0108,

 1.9664, 4.0663,

372.9428, 340.2236

1.8067

366.1569,
438.6596, 404.0280

■ 0.6150, 1.7107,
0.4324

■ 0.0000, 0.4306,
0.0000

■ 64.3252, 85.0144,
68.8962

■ 64.3252, 85.0144,
68.8962

■ 57.1761, 81.5501,
58.5680

■ 72.7832, 89.1274,
80.4606

■ 51.2658, 78.6994,
49.4305

■ 82.6110, 93.9200,
93.2964

■ 46.5206, 76.4250,
41.4417

■ 93.8683, 99.4218,
107.4424

■ 42.8575, 74.6853,
34.5552

■ 95.0500, 100.0000,
108.9000

■ 40.1823, 73.4325,
28.7213

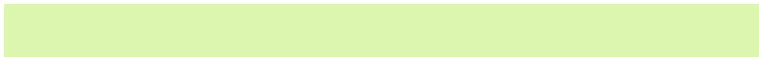
■ 38.3827, 72.6099,
23.8865

■ 37.3574, 72.1589,
20.3316

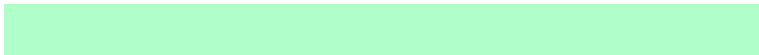
Harmonies

Analogous

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



70.4566, 85.0144, 52.4138



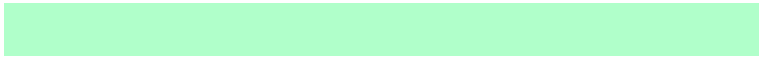
64.3252, 85.0144, 68.8962



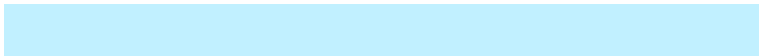
62.4811, 85.0144, 95.4607

Triad

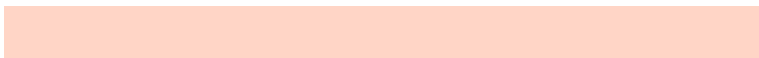
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.3252, 85.0144, 68.8962



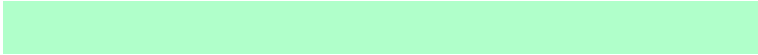
81.8081, 85.0144, 162.1115



98.7326, 85.0144, 64.9008

Complementary

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



64.3252, 85.0144, 68.8962



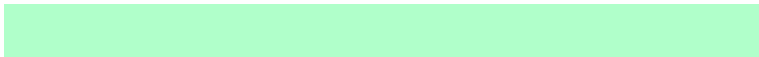
70.9086, 57.9686, 81.5804

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.



102.3979, 85.0144, 89.7309



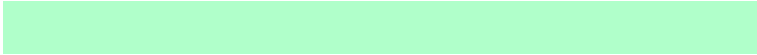
64.3252, 85.0144, 68.8962



92.1171, 85.0144, 149.2831

Square

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



64.3252, 85.0144, 68.8962



72.0498, 85.0144, 153.2576



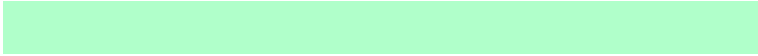
99.8803, 85.0144, 121.1178



90.2393, 85.0144, 50.4773

Rectangle

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



64.3252, 85.0144, 68.8962



63.7901, 85.0144, 116.5857



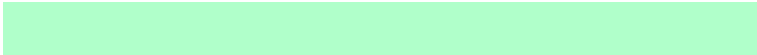
99.8803, 85.0144, 121.1178



100.6015, 85.0144, 72.0955

Sweetspot

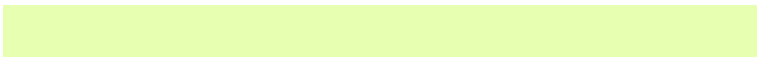
The Sweet Spot groups the original color and five complimentary colors.



64.3259, 85.0147, 68.8976



84.7242, 94.9519, 95.9916



76.2247, 91.4750, 54.7143



17.8009, 20.1607, 20.1211



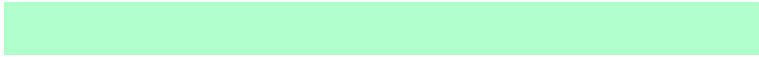
0.0000, 0.0000, 0.0000



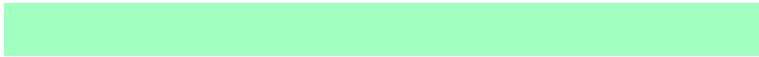
20.3446, 21.4041, 23.3091

Same Dimension

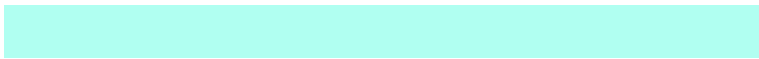
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3259, 85.0147, 68.8976



59.8690, 82.8534, 62.5336



69.4701, 87.0724, 95.9865



18.0181, 20.2668, 20.3981



19.5810, 37.7290, 10.9450



1.9545, 3.6927, 1.3183

Inverse Universe

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



70.9086, 57.9686, 81.5804



67.3712, 52.0065, 76.9709



66.1131, 56.0504, 56.3278



18.5235, 18.1927, 21.3740



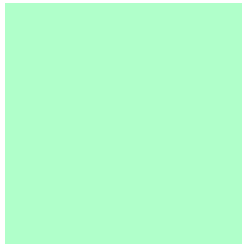
25.4652, 12.6754, 21.6320



2.5299, 1.2543, 2.3721

Previews

White Background



This preview shows how the XYZ color 64.3252, 85.0144, 68.8962 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 64.3252, 85.0144, 68.8962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

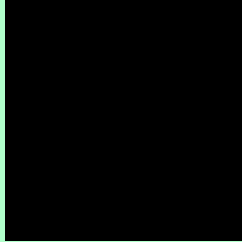
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.3252, 85.0144, 68.8962

Background



This preview shows how black text looks on a background with the XYZ color 64.3252, 85.0144, 68.8962.

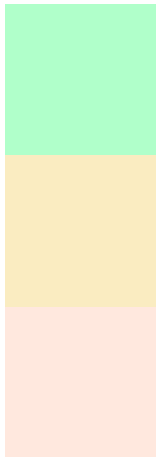


This preview shows how white text looks on a background with the XYZ color 64.3252, 85.0144,

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

64.3252, 85.0144, 68.8962

Protanopia

79.0454, 84.1652, 62.5314

Deuteranopia

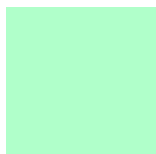
83.2814, 84.2472, 80.9792



Tritanopia

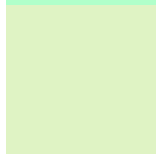
76.3951, 84.8765, 106.9641

Trichromacy



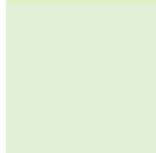
Original Color

64.3252, 85.0144, 68.8962



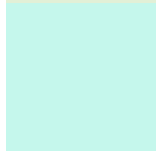
Protanomaly

72.4458, 83.7747, 64.5764



Deuteranomaly

74.7899, 83.3952, 76.4450



Tritanomaly

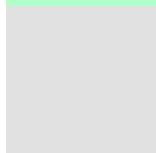
71.4270, 84.4480, 91.8924

Monochromacy



Original Color

64.3252, 85.0144, 68.8962



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.2520, 78.2661, 77.1552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3252, 85.0144, 68.8962 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, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 202)  
}
```

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, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 202) }
```

Border

The CSS property to change the border of an element to XYZ 64.3252, 85.0144, 68.8962 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, 255, 202) }
```


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

```
.border{ border-color:rgb(176, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3252, 85.0144, 68.8962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 202) }
```

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

```
.background{ background-color: rgb(176,  
255, 202) }
```

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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