

Converting Colors

XYZ(65.0823, 85.4233, 68.0907)

Have a look what the booklet for
XYZ(65.0823, 85.4233, 68.0907)
contains.

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Color

**XYZ(65.1250, 85.4403,
68.3175)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFC9
RGB	180, 255, 201
RGB Percent	71%, 100%, 79%
CMY	0.2941, 0.0000, 0.2118
CMYK	0.29, 0.00, 0.21, 0.00
HSL	137°, 100%, 85%
HSV	137°, 29%, 100%
XYZ	65.1250, 85.4403, 68.3175
YIQ	226.4190, -27.3660, -32.6940

Conversions

Conversions Part 2

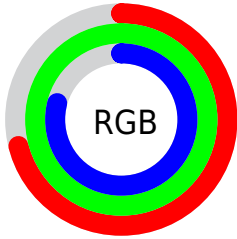
Format	Color
RYB	180, 239, 255
Decimal	11861961
CIELab	94.07, -33.65, 18.56
CIElCh	94, 38.431, 151.122
Yxy	85.4403, 0.2975, 0.3903
Android (android.graphics.Color)	4290052041 (0xFFB4FFC9)
YUV	226.4190, -12.5316, -40.7095
Hunter-Lab	92.4339, -35.9959, 20.8828

Details

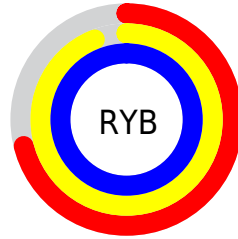
The XYZ color **65.1250, 85.4403, 68.3175** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72.4129, 59.8438, 85.5761**, and the grayscale version is **72.6939, 76.4796, 83.2863**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **33.9180, 46.8547, 34.8600** is the 20% darker color. If you saturate the color by 10%, you get **57.6922, 81.8434, 57.3615**, and if you desaturate by 10%, it is **73.9094, 89.7042, 80.6871**.

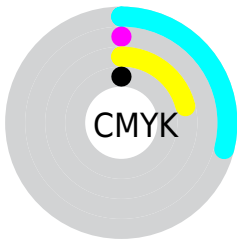
Distribution



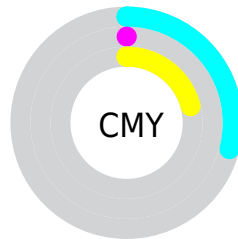
- Red (71%)
- Green (100%)
- Blue (79%)



- Red (71%)
- Yellow (94%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1250, 85.4403, 68.3175 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 65.1250, 85.4403, 68.3175 by changing the saturation by 10% instead.


 65.1250, 85.4403,
68.3175

 65.1250, 85.4403,
68.3175


432.7791,
513.0839, 473.2487

 47.8275, 64.2053,
49.6878


 111.2943,
140.9882, 118.4647

 33.9010, 46.8169,
34.7959


140.8967,
176.0698, 150.8193

 22.9801, 32.8910,
23.2234


175.3316,
216.5357, 188.5860

 14.6994, 22.0429,
14.5517

214.9642,
262.7704, 232.1832

 8.6936, 13.8884,
8.3623

260.1599,
315.1581, 282.0295

 4.5974, 8.0431,
4.2365

311.2841,

 2.0453, 4.1226,

374.0833, 338.5435

1.7560

368.7020,
439.9305, 402.1437

■ 0.6592, 1.7424,
0.3987

■ 0.0000, 0.4509,
0.0000

■ 65.1250, 85.4403,
68.3175

■ 65.1250, 85.4403,
68.3175

■ 57.6922, 81.8434,
57.3615

■ 73.9094, 89.7042,
80.6871

■ 51.5399, 78.8778,
47.7645

■ 84.1073, 94.6659,
94.5140

■ 46.5936, 76.5063,
39.4742

95.0500, 100.0000,
108.9000

■ 42.7696, 74.6868,
32.4335

■ 39.9734, 73.3720,
26.5809

■ 38.0936, 72.5057,
21.8495

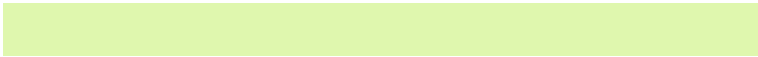
■ 36.9644, 72.0039,
18.1639

■ 36.9103, 71.9801,
17.9774

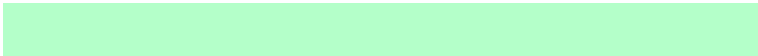
Harmonies

Analogous

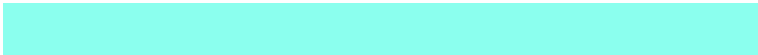
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4298, 85.4403, 52.5503



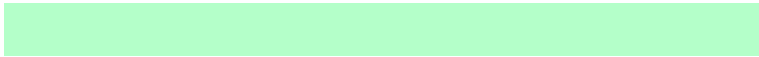
65.1250, 85.4403, 68.3175



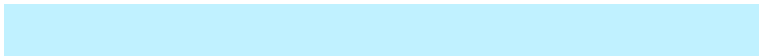
63.0329, 85.4403, 94.1408

Triad

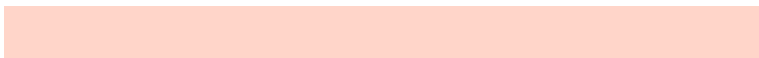
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.1250, 85.4403, 68.3175



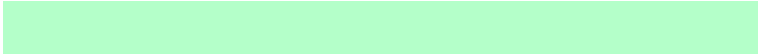
81.5954, 85.4403, 161.7488



99.3008, 85.4403, 66.7694

Complementary

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



65.1250, 85.4403, 68.3175



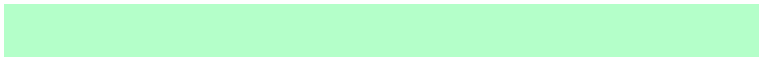
72.4129, 59.8438, 85.5761

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.



102.5798, 85.4403, 91.9279



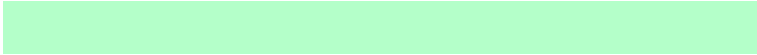
65.1250, 85.4403, 68.3175



91.8412, 85.4403, 150.2847

Square

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



65.1250, 85.4403, 68.3175



72.0458, 85.4403, 151.8132



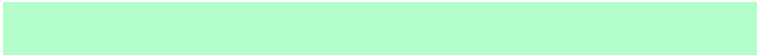
99.7432, 85.4403, 123.0813



91.1167, 85.4403, 51.7978

Rectangle

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



65.1250, 85.4403, 68.3175



64.1560, 85.4403, 114.9182



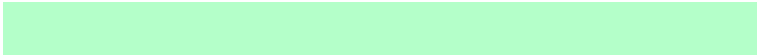
99.7432, 85.4403, 123.0813



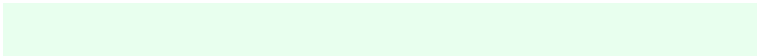
101.0427, 85.4403, 74.1140

Sweetspot

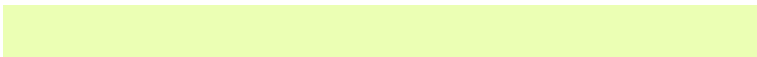
The Sweet Spot groups the original color and five complimentary colors.



65.1257, 85.4407, 68.3189



84.5576, 94.8853, 95.1143



78.2595, 92.4776, 56.9062



17.7600, 20.1444, 19.9061



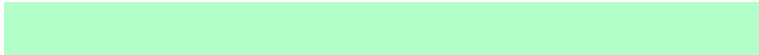
0.0000, 0.0000, 0.0000



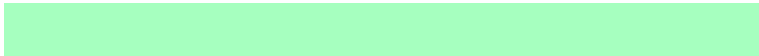
20.3446, 21.4041, 23.3091

Same Dimension

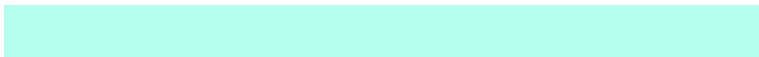
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.1257, 85.4407, 68.3189



60.8090, 83.3502, 62.0241



69.9421, 87.3672, 93.6819



17.9806, 20.2518, 20.2008



19.3408, 37.6329, 9.6796



1.9273, 3.6818, 1.1750

Inverse Universe

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



72.4129, 59.8438, 85.5761



69.1150, 54.1553, 81.6798



67.6972, 57.9575, 60.7439



18.5630, 18.2085, 21.5818



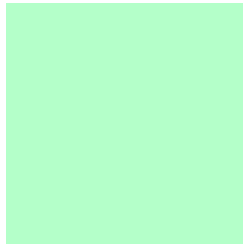
26.1144, 12.9350, 25.0506



2.5893, 1.2781, 2.6846

Previews

White Background



This preview shows how the XYZ color 65.1250, 85.4403, 68.3175 looks on a white background.

Color Contrast Check

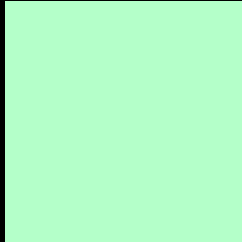
Large Text (above 18pt) WCAG AA × Fail

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 65.1250, 85.4403, 68.3175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

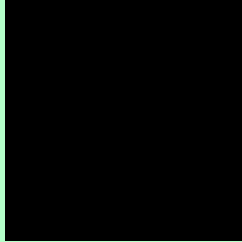
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

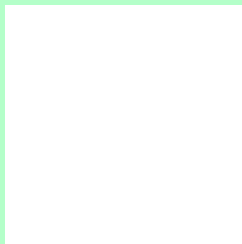
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.1250, 85.4403, 68.3175

Background



This preview shows how black text looks on a background with the XYZ color 65.1250, 85.4403, 68.3175.



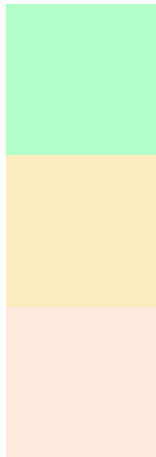
This preview shows how white text looks on a background with the XYZ color 65.1250, 85.4403,

68.3175.

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

65.1250, 85.4403, 68.3175

Protanopia

79.5823, 84.8834, 62.0589

Deuteranopia

83.5637, 84.8118, 81.0733



Tritanopia

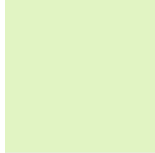
77.2520, 85.3182, 107.0042

Trichromacy



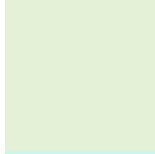
Original Color

65.1250, 85.4403, 68.3175



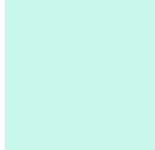
Protanomaly

73.2523, 84.6490, 64.1078



Deuteranomaly

75.5878, 84.2596, 75.8982



Tritanomaly

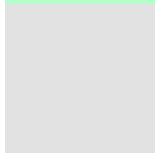
72.0756, 84.7990, 91.1663

Monochromacy



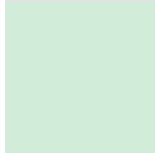
Original Color

65.1250, 85.4403, 68.3175



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.1031, 79.1334, 77.2778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1250, 85.4403, 68.3175 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(180, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 201)  
}
```

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(180, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 65.1250, 85.4403, 68.3175 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(180, 255, 201) }
```


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

```
.border{ border-color:rgb(180, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1250, 85.4403, 68.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 201) }
```

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

```
.background{ background-color: rgb(180,  
255, 201) }
```

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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