

Converting Colors

XYZ(64.2202, 84.9986, 67.1583)

Have a look what the booklet for
XYZ(64.2202, 84.9986, 67.1583)
contains.

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Color

**XYZ(64.2003, 84.9906,
67.0540)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B1FFC7 |
| RGB | 177, 255, 199 |
| RGB Percent | 69%, 100%, 78% |
| CMY | 0.3059, 0.0000, 0.2196 |
| CMYK | 0.31, 0.00, 0.22, 0.00 |
| HSL | 137°, 100%, 85% |
| HSV | 137°, 31%, 100% |
| XYZ | 64.2003, 84.9906, 67.0540 |
| YIQ | 225.2940, -28.5120, -33.9520 |

Conversions

Conversions Part 2

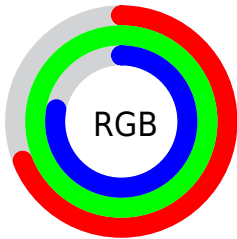
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 177, 238, 255 |
| Decimal | 11665351 |
| CIELab | 93.88, -34.91, 19.29 |
| CIELCh | 94, 39.889, 151.081 |
| Yxy | 84.9906, 0.2969, 0.3930 |
| Android (android.graphics.Color) | 4289855431 (0xFFB1FFC7) |
| YUV | 225.2940, -12.9629, -42.3538 |
| Hunter-Lab | 92.1903, -37.0278, 21.4091 |

Details

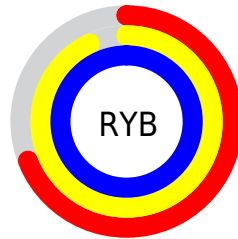
The XYZ color **64.2003, 84.9906, 67.0540** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71.6705, 58.5882, 84.6218**, and the grayscale version is **71.8844, 75.6279, 82.3588**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **33.3310, 46.5701, 34.0203** is the 20% darker color. If you saturate the color by 10%, you get **56.9251, 81.4711, 56.2773**, and if you desaturate by 10%, it is **72.8179, 89.1726, 79.2312**.

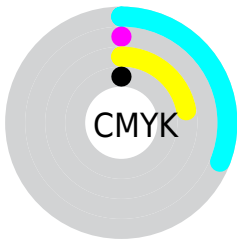
Distribution



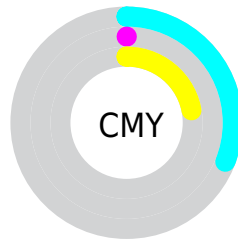
- Red (69%)
- Green (100%)
- Blue (78%)



- Red (69%)
- Yellow (93%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.2003, 84.9906, 67.0540 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 64.2003, 84.9906, 67.0540 by changing the saturation by 10% instead.


 64.2003, 84.9906,
67.0540

 64.2003, 84.9906,
67.0540


429.5034,
511.5970, 468.6437

 47.0752, 63.8336,
48.6666

 109.9715,
140.3600, 116.6392

 33.3033, 46.5159,
33.9914


139.3483,
175.3413, 148.6741

 22.5193, 32.6531,
22.6097


173.5397,
215.6994, 186.0952

 14.3577, 21.8609,
14.1030

212.9111,
261.8188, 229.3211

 8.4532, 13.7547,
8.0527

257.8278,
314.0839, 278.7704

 4.4405, 7.9503,
4.0405

308.6551,

 1.9542, 4.0631,

372.8790, 334.8616

1.6476

365.7586,
438.5885, 398.0132

■ 0.6081, 1.7089,
0.3244

■ 0.0000, 0.4294,
0.0000

■ 64.2003, 84.9906,
67.0540

■ 64.2003, 84.9906,
67.0540

■ 56.9251, 81.4711,
56.2773

■ 72.8179, 89.1726,
79.2312

■ 50.9206, 78.5782,
46.8466

■ 82.8403, 94.0482,
92.8525

■ 46.1114, 76.2741,
38.7097

■ 94.3283, 99.6479,
107.9649

■ 42.4130, 74.5164,
31.8095

■ 95.0500, 100.0000,
108.9000

■ 39.7294, 73.2569,
26.0846

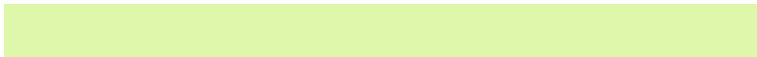
■ 37.9465, 72.4381,
21.4679

■ 36.9273, 71.9869,
18.0668

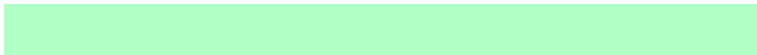
Harmonies

Analogous

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



70.6956, 84.9906, 50.9630



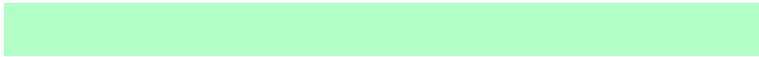
64.2003, 84.9906, 67.0540



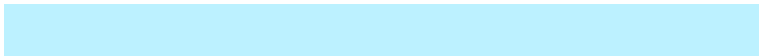
62.0443, 84.9906, 93.6476

Triad

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



64.2003, 84.9906, 67.0540



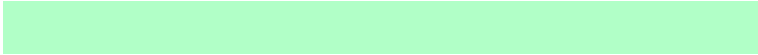
81.1667, 84.9906, 164.1506



99.5525, 84.9906, 65.5247

Complementary

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



64.2003, 84.9906, 67.0540



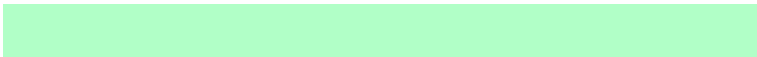
71.6705, 58.5882, 84.6218

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.



102.9545, 84.9906, 91.4418



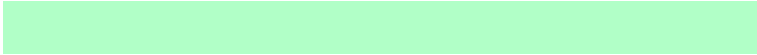
64.2003, 84.9906, 67.0540



91.7827, 84.9906, 152.1727

Square

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



64.2003, 84.9906, 67.0540



71.3076, 84.9906, 153.7144



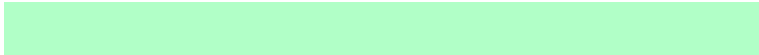
99.9958, 84.9906, 123.7827



91.0584, 84.9906, 50.2256

Rectangle

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



64.2003, 84.9906, 67.0540



63.1940, 84.9906, 115.1981



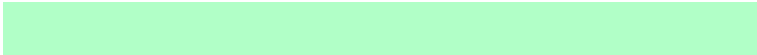
99.9958, 84.9906, 123.7827



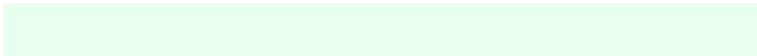
101.3612, 84.9906, 73.0672

Sweetspot

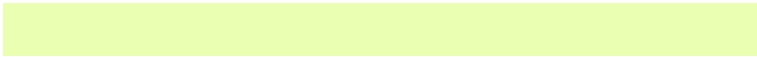
The Sweet Spot groups the original color and five complimentary colors.



64.2010, 84.9910, 67.0554



84.5646, 94.8880, 95.1508



77.6936, 92.2208, 55.3015



17.7617, 20.1450, 19.9150



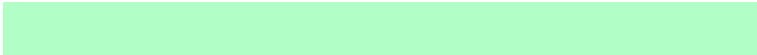
0.0000, 0.0000, 0.0000



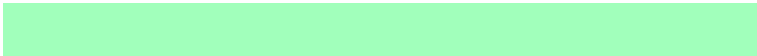
20.3446, 21.4041, 23.3091

Same Dimension

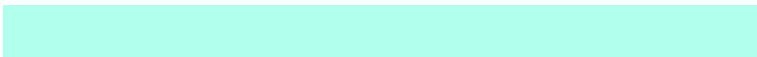
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2010, 84.9910, 67.0554



59.3853, 82.6599, 59.9862



69.1488, 86.9701, 93.1104



17.9821, 20.2524, 20.2090



19.3499, 37.6366, 9.7279



1.9284, 3.6823, 1.1806

Inverse Universe

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



71.6705, 58.5882, 84.6218



67.9812, 52.2506, 80.1835



66.8357, 56.6543, 59.1621



18.5613, 18.2078, 21.5730



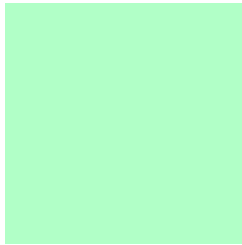
26.0861, 12.9237, 24.9016



2.5867, 1.2771, 2.6711

Previews

White Background



This preview shows how the XYZ color 64.2003, 84.9906, 67.0540 looks on a white background.

Color Contrast Check

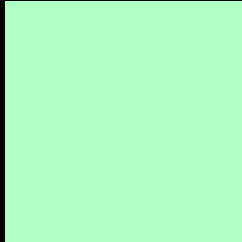
Large Text (above 18pt) WCAG AA × Fail

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 64.2003, 84.9906, 67.0540 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 64.2003, 84.9906, 67.0540

Background



This preview shows how black text looks on a background with the XYZ color 64.2003, 84.9906, 67.0540.



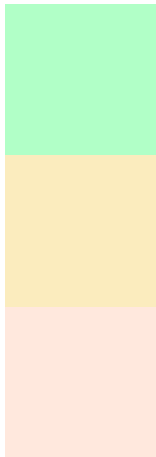
This preview shows how white text looks on a background with the XYZ color 64.2003, 84.9906,

67.0540.

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

64.2003, 84.9906, 67.0540

Protanopia

79.0734, 84.2178, 60.8033

Deuteranopia

83.1478, 84.1937, 80.2753



Tritanopia

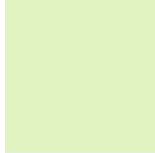
76.0966, 84.2796, 106.8646

Trichromacy



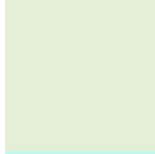
Original Color

64.2003, 84.9906, 67.0540



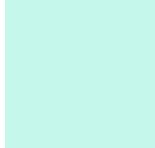
Protanomaly

72.4167, 83.7987, 62.8101



Deuteranomaly

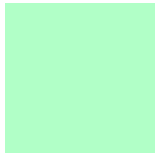
74.8489, 83.4552, 75.1143



Tritanomaly

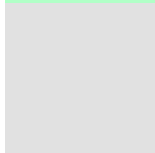
71.2821, 84.3900, 91.1292

Monochromacy



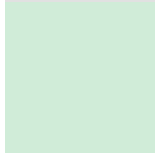
Original Color

64.2003, 84.9906, 67.0540



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.4025, 78.3587, 76.4853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2003, 84.9906, 67.0540 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(177, 255, 199)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 199)  
}
```

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(177, 255, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 199) }
```

Border

The CSS property to change the border of an element to XYZ 64.2003, 84.9906, 67.0540 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(177, 255, 199) }
```


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

```
.border{ border-color:rgb(177, 255, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 199);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2003, 84.9906, 67.0540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 199) }
```

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

```
.background{ background-color: rgb(177,  
255, 199) }
```

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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