

Converting Colors

XYZ(63.4615, 83.7569, 67.1592)

Have a look what the booklet for
XYZ(63.4615, 83.7569, 67.1592)
contains.

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Color

**XYZ(63.4551, 83.6508,
67.4454)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B0FDC8 |
| RGB | 176, 253, 200 |
| RGB Percent | 69%, 99%, 78% |
| CMY | 0.3098, 0.0078, 0.2157 |
| CMYK | 0.30, 0.00, 0.21, 0.01 |
| HSL | 139°, 95%, 84% |
| HSV | 139°, 30%, 99% |
| XYZ | 63.4551, 83.6508, 67.4454 |
| YIQ | 223.9350, -28.8790, -32.8070 |

Conversions

Conversions Part 2

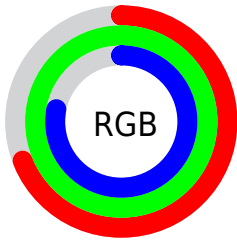
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 176, 235, 253 |
| Decimal | 11599304 |
| CIE Lab | 93.30, -34.12, 17.96 |
| CIE LCh | 93, 38.554, 152.239 |
| Yxy | 83.6508, 0.2958, 0.3899 |
| Android (android.graphics.Color) | 4289789384 (0xFFB0FDC8) |
| YUV | 223.9350, -11.8000, -42.0390 |
| Hunter-Lab | 91.4608, -36.2139, 20.3007 |

Details

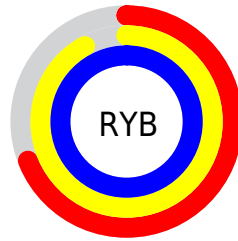
The XYZ color **63.4551, 83.6508, 67.4454** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **70.1790, 57.5923, 81.5497**, and the grayscale version is **70.9034, 74.5959, 81.2349**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **32.8134, 45.6201, 34.2702** is the 20% darker color. If you saturate the color by 10%, you get **56.3383, 80.2062, 57.0869**, and if you desaturate by 10%, it is **71.8743, 87.7447, 79.0786**.

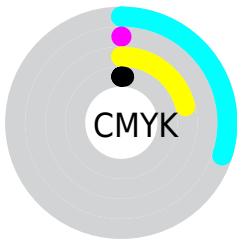
Distribution



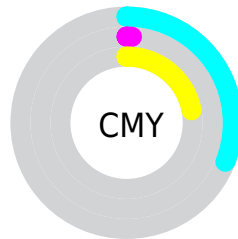
- Red (69%)
- Green (99%)
- Blue (78%)



- Red (69%)
- Yellow (92%)
- Blue (99%)



- Cyan (30%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)





- Cyan (31%)
- Magenta (1%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4551, 83.6508, 67.4454 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 63.4551, 83.6508, 67.4454 by changing the saturation by 10% instead.


 63.4551, 83.6508,
67.4454

 63.4551, 83.6508,
67.4454


426.8527,
507.1529, 470.0731

 46.4695, 62.7272,
48.9828


 108.9039,
138.4866, 117.2051

 32.8227, 45.6205,
34.2403


138.0979,
173.1675, 149.3393

 22.1492, 31.9465,
22.7994


172.0921,
213.2031, 186.8677

 14.0838, 21.3206,
14.2416

211.2517,
258.9775, 230.2090

 8.2611, 13.3586,
8.1482

255.9423,
310.8754, 279.7817

 4.3157, 7.6759,
4.1008

306.5290,

 1.8822, 3.8883,

369.2809, 336.0042

1.6808

363.3774,
434.5787, 399.2952

■ 0.5665, 1.6113,
0.3475

■ 0.0000, 0.3652,
0.0000

■ 63.4551, 83.6508,
67.4454

■ 63.4551, 83.6508,
67.4454

■ 56.3383, 80.2062,
57.0869

■ 71.8743, 87.7447,
79.0786

■ 50.4502, 77.3668,
47.9540

■ 81.6514, 92.5086,
92.0224

■ 45.7196, 75.0992,
40.0025

■ 92.8465, 97.9751,
106.3181

■ 42.0652, 73.3625,
33.1833

■ 94.4169, 98.7337,
108.6890

■ 39.3943, 72.1098,
27.4439

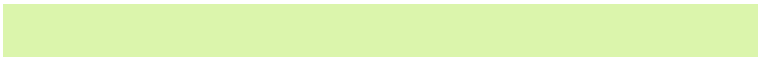
■ 37.5973, 71.2860,
22.7272

■ 36.5330, 70.8162,
19.1133

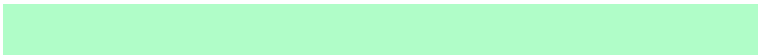
Harmonies

Analogous

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



69.5425, 83.6508, 51.5074



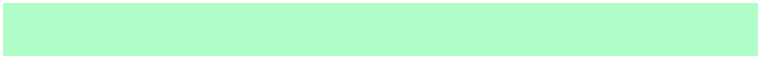
63.4551, 83.6508, 67.4454



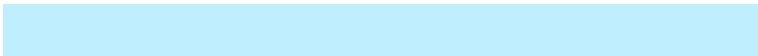
61.5541, 83.6508, 93.2834

Triad

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



63.4551, 83.6508, 67.4454



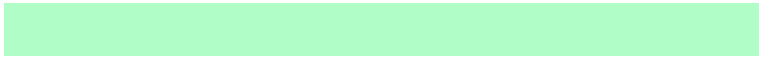
80.2728, 83.6508, 159.1403



97.1872, 83.6508, 64.3958

Complementary

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



63.4551, 83.6508, 67.4454



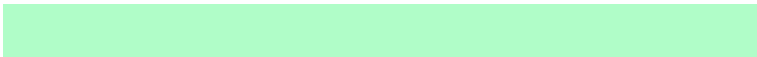
70.1790, 57.5923, 81.5497

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.



100.6510, 83.6508, 88.9145



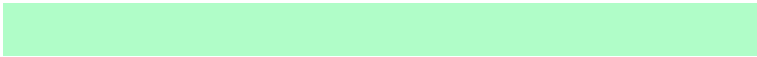
63.4551, 83.6508, 67.4454



90.3818, 83.6508, 147.0206

Square

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



63.4551, 83.6508, 67.4454



70.7578, 83.6508, 150.0470



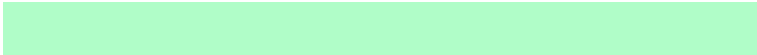
98.0618, 83.6508, 119.6803



88.9505, 83.6508, 50.0280

Rectangle

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



63.4551, 83.6508, 67.4454



62.7738, 83.6508, 113.9203



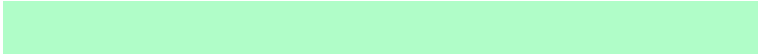
98.0618, 83.6508, 119.6803



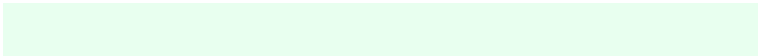
98.9785, 83.6508, 71.5194

Sweetspot

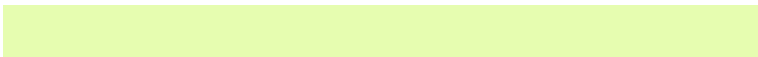
The Sweet Spot groups the original color and five complimentary colors.



63.4573, 83.6543, 67.4473



84.6650, 94.9282, 95.6794



75.5659, 90.1955, 54.5019



17.7863, 20.1549, 20.0445



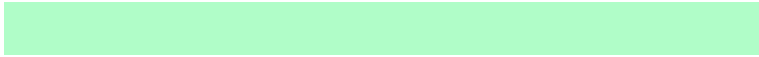
0.0000, 0.0000, 0.0000



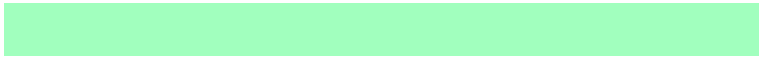
20.3446, 21.4041, 23.3091

Same Dimension

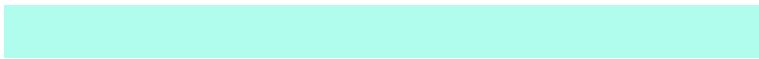
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4573, 83.6543, 67.4473



59.6880, 82.7810, 61.5804



68.4063, 85.6339, 93.5081



18.0047, 20.2614, 20.3279



19.4907, 37.6929, 10.4692



1.9444, 3.6887, 1.2653

Inverse Universe

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



70.1790, 57.5923, 81.5497



67.5954, 52.0962, 78.1519



65.4838, 55.7143, 56.8253



18.5375, 18.1983, 21.4476



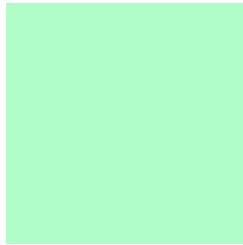
25.6891, 12.7649, 22.8111



2.5505, 1.2626, 2.4804

Previews

White Background



This preview shows how the XYZ color 63.4551, 83.6508, 67.4454 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 63.4551, 83.6508, 67.4454 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

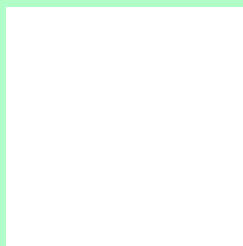
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4551, 83.6508, 67.4454

Background



This preview shows how black text looks on a background with the XYZ color 63.4551, 83.6508, 67.4454.



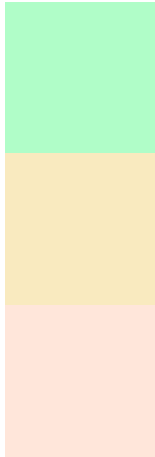
This preview shows how white text looks on a background with the XYZ color 63.4551, 83.6508,

67.4454.

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

63.4551, 83.6508, 67.4454

Protanopia

77.8937, 82.7470, 61.1565

Deuteranopia

82.1917, 82.9156, 78.0020



Tritanopia

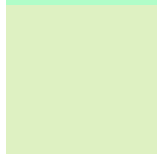
74.6821, 83.1097, 106.7134

Trichromacy



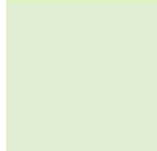
Original Color

63.4551, 83.6508, 67.4454



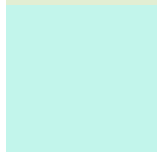
Protanomaly

71.3171, 82.3352, 63.1724



Deuteranomaly

73.6964, 82.0210, 73.5754



Tritanomaly

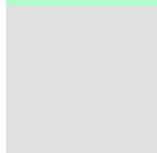
69.8959, 82.7723, 90.8900

Monochromacy



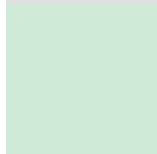
Original Color

63.4551, 83.6508, 67.4454



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.7062, 77.5884, 75.6975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4551, 83.6508, 67.4454 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, 253, 200)` looks like.

```
.text, #text, p{  
    color:rgb(176, 253, 200)  
}
```

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, 253, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 253, 200) }
```

Border

The CSS property to change the border of an element to XYZ 63.4551, 83.6508, 67.4454 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, 253, 200) }
```


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

```
.border{ border-color:rgb(176, 253, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 253, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 253, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 253, 200);  
box-shadow:4px 4px 4px 4px rgb(176, 253,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4551, 83.6508, 67.4454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 253, 200) }
```

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

```
.background{ background-color: rgb(176,  
253, 200) }
```

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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