

Converting Colors

XYZ(63.5186, 84.7196, 63.3907)

Have a look what the booklet for
XYZ(63.5186, 84.7196, 63.3907)
contains.

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Color

**XYZ(63.5171, 84.7174,
63.4565)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFC1
RGB	177, 255, 193
RGB Percent	69%, 100%, 76%
CMY	0.3059, 0.0000, 0.2431
CMYK	0.31, 0.00, 0.24, 0.00
HSL	132°, 100%, 85%
HSV	132°, 31%, 100%
XYZ	63.5171, 84.7174, 63.4565
YIQ	224.6100, -26.5860, -35.8180

Conversions

Conversions Part 2

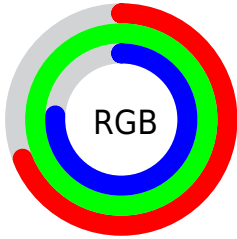
Format	Color
RYB	177, 242, 255
Decimal	11665345
CIELab	93.76, -35.97, 22.18
CIELCh	94, 42.260, 148.334
Yxy	84.7174, 0.3000, 0.4002
Android (android.graphics.Color)	4289855425 (0xFFB1FFC1)
YUV	224.6100, -15.5837, -41.7540
Hunter-Lab	92.0421, -37.8929, 23.5532

Details

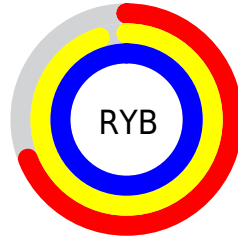
The XYZ color **63.5171, 84.7174, 63.4565** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72.5423, 58.9368, 89.2132**, and the grayscale version is **71.4097, 75.1285, 81.8150**.

A 20% lighter version of the original color is **86.9470, 95.9146, 104.3732**, and **32.8803, 46.3898, 31.6473** is the 20% darker color. If you saturate the color by 10%, you get **56.1328, 81.1542, 52.1059**, and if you desaturate by 10%, it is **72.2977, 88.9645, 76.4928**.

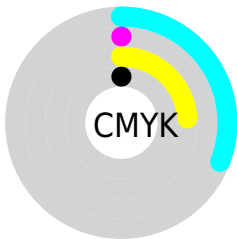
Distribution



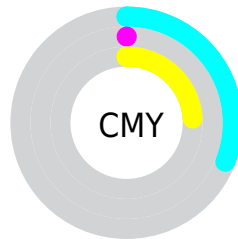
- Red (69%)
- Green (100%)
- Blue (76%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.5171, 84.7174, 63.4565 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 63.5171, 84.7174, 63.4565 by changing the saturation by 10% instead.


 63.5171, 84.7174,
63.4565

 63.5171, 84.7174,
63.4565

427.0736,
510.6925, 455.3778

 46.5199, 63.6079,
45.7672


 108.9928,
139.9783, 111.4198

 32.8626, 46.3332,
31.7148


138.2020,
174.8984, 142.5309

 22.1800, 32.5088,
20.8808


172.2126,
215.1909, 178.9530

 14.1065, 21.7504,
12.8465

211.3899,
261.2402, 221.1046

 8.2770, 13.6736,
7.1934

256.0993,
313.4306, 269.4044

 4.3260, 7.8940,
3.5031

306.7062,

 1.8882, 4.0272,

372.1465, 324.2708

1.3569

363.5758,
437.7723, 386.1225

■ 0.5699, 1.6888,
0.1078

■ 0.0000, 0.4164,
0.0000

■ 63.5171, 84.7174,
63.4565

■ 63.5171, 84.7174,
63.4565

■ 56.1328, 81.1542,
52.1059

■ 72.2977, 88.9645,
76.4928

■ 50.0700, 78.2380,
42.3681

■ 82.5406, 93.9283,
91.2755

■ 45.2494, 75.9293,
34.1710

■ 94.3096, 99.6404,
107.8674

■ 41.5823, 74.1841,
27.4353

■ 95.0500, 100.0000,
108.9000

■ 38.9678, 72.9522,
22.0744

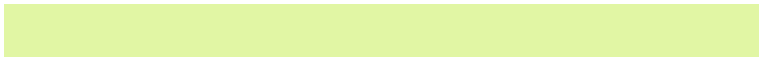
■ 37.2866, 72.1742,
17.9927

■ 36.3869, 71.7708,
15.2211

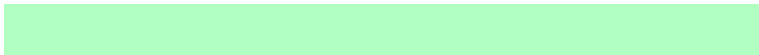
Harmonies

Analogous

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



70.7084, 84.7174, 47.8409



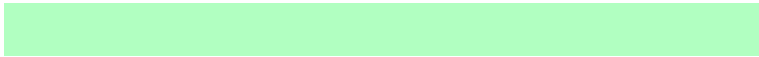
63.5171, 84.7174, 63.4565



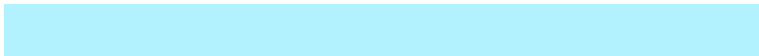
60.8215, 84.7174, 90.4581

Triad

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



63.5171, 84.7174, 63.4565



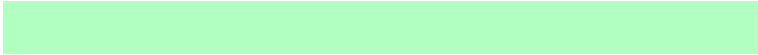
79.8957, 84.7174, 168.8268



101.0460, 84.7174, 65.9122

Complementary

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



63.5171, 84.7174, 63.4565



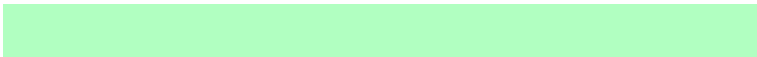
72.5423, 58.9368, 89.2132

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.



104.0727, 84.7174, 94.0509



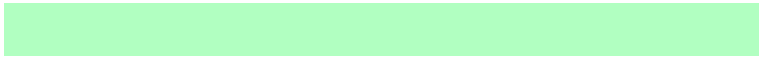
63.5171, 84.7174, 63.4565



91.2026, 84.7174, 158.0271

Square

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



63.5171, 84.7174, 63.4565



69.7168, 84.7174, 155.4691



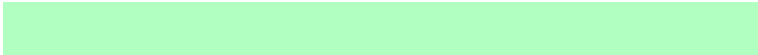
100.3180, 84.7174, 128.6352



92.3882, 84.7174, 49.0100

Rectangle

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



63.5171, 84.7174, 63.4565



61.7268, 84.7174, 113.0788



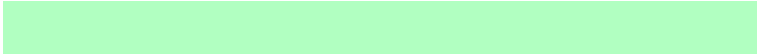
100.3180, 84.7174, 128.6352



102.7892, 84.7174, 74.1378

Sweetspot

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



63.5177, 84.7176, 63.4578



84.3057, 94.7845, 93.7874



79.4279, 93.1149, 55.3824



17.6984, 20.1197, 19.5813



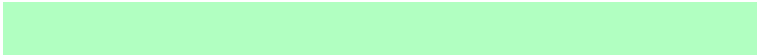
0.0000, 0.0000, 0.0000



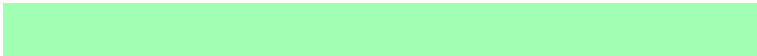
20.3446, 21.4041, 23.3091

Same Dimension

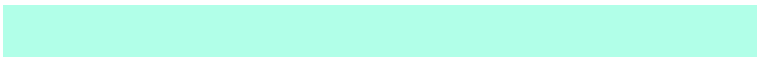
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.5177, 84.7176, 63.4578



58.6263, 82.3563, 55.9892



68.4006, 86.6708, 89.1707



17.9239, 20.2291, 19.9025



19.0555, 37.5188, 8.1773



1.8925, 3.6679, 0.9916

Inverse Universe

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



72.5423, 58.9368, 89.2132



69.0125, 52.6631, 85.6142



67.4347, 56.8938, 62.3170



18.6236, 18.2328, 21.9011



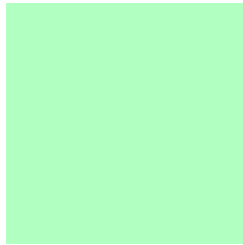
27.2176, 13.3763, 30.8602



2.6885, 1.3178, 3.2069

Previews

White Background



This preview shows how the XYZ color 63.5171, 84.7174, 63.4565 looks on a white background.

Color Contrast Check

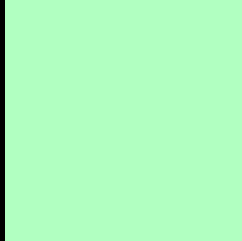
Large Text (above 18pt) WCAG AA × Fail

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 63.5171, 84.7174, 63.4565 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 63.5171, 84.7174, 63.4565

Background



This preview shows how black text looks on a background with the XYZ color 63.5171, 84.7174, 63.4565.



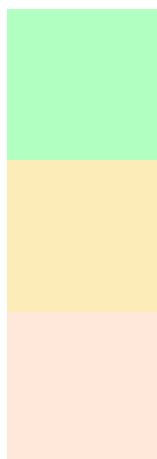
This preview shows how white text looks on a background with the XYZ color 63.5171, 84.7174,

63.4565.

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

63.5171, 84.7174, 63.4565

Protanopia

78.7921, 84.1470, 57.4366

Deuteranopia

82.7515, 84.0352, 78.1886



Tritanopia

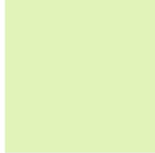
76.0966, 84.2796, 106.8646

Trichromacy



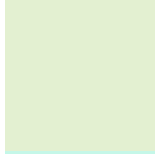
Original Color

63.5171, 84.7174, 63.4565



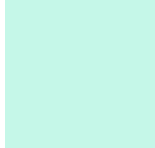
Protanomaly

72.0716, 83.6966, 59.3702



Deuteranomaly

74.3473, 83.2545, 72.4728



Tritanomaly

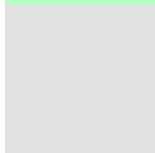
70.8522, 84.2180, 88.8653

Monochromacy



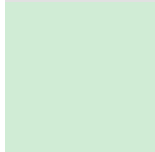
Original Color

63.5171, 84.7174, 63.4565



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0181, 78.2049, 74.4609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5171, 84.7174, 63.4565 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 193) }
```

Border

The CSS property to change the border of an element to XYZ 63.5171, 84.7174, 63.4565 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, 193) }
```


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

```
.border{ border-color:rgb(177, 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(177, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5171, 84.7174, 63.4565 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, 193) }
```

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

```
.background{ background-color: rgb(177,  
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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