

Converting Colors

XYZ(63.3551, 84.8117, 55.4143)

Have a look what the booklet for
XYZ(63.3551, 84.8117, 55.4143)
contains.

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Color

**XYZ(63.4251, 84.8420,
55.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFB3
RGB	183, 255, 179
RGB Percent	72%, 100%, 70%
CMY	0.2823, 0.0000, 0.2980
CMYK	0.28, 0.00, 0.30, 0.00
HSL	117°, 100%, 85%
HSV	117°, 30%, 100%
XYZ	63.4251, 84.8420, 55.6811
YIQ	224.8080, -18.5160, -38.9000

Conversions

Conversions Part 2

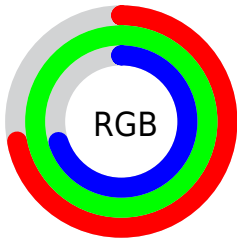
Format	Color
RYB	179, 255, 251
Decimal	12058547
CIELab	93.81, -36.41, 29.40
CIELCh	94, 46.799, 141.081
Yxy	84.8420, 0.3110, 0.4160
Android (android.graphics.Color)	4290248627 (0xFFB7FFB3)
YUV	224.8080, -22.5833, -36.6656
Hunter-Lab	92.1097, -38.2801, 28.6355

Details

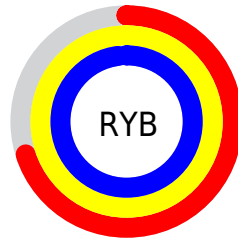
The XYZ color **63.4251, 84.8420, 55.6811** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **73.9548, 59.9707, 102.2854**, and the grayscale version is **71.5963, 75.3249, 82.0288**.

A 20% lighter version of the original color is **86.6906, 96.0434, 92.5664**, and **32.8621, 46.4837, 26.9789** is the 20% darker color. If you saturate the color by 10%, you get **55.8182, 81.1914, 43.0846**, and if you desaturate by 10%, it is **72.4961, 89.1921, 70.8380**.

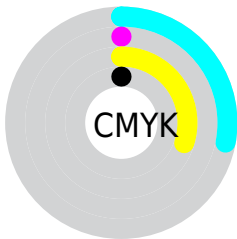
Distribution



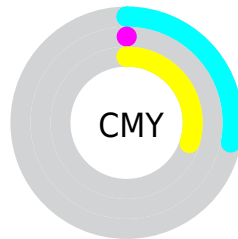
- Red (72%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (98%)



- Cyan (28%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4251, 84.8420, 55.6811 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 63.4251, 84.8420, 55.6811 by changing the saturation by 10% instead.


 63.4251, 84.8420,
55.6811

 63.4251, 84.8420,
55.6811


426.7458,
511.1051, 425.8431

 46.4451, 63.7108,
39.5450


 108.8609,
140.1524, 100.0193

 32.8033, 46.4165,
26.8729


138.0475,
175.1004, 129.0585

 22.1343, 32.5746,
17.2462


172.0337,
215.4229, 163.2358

 14.0728, 21.8008,
10.2464

211.1848,
261.5041, 202.9698

 8.2534, 13.7106,
5.4549

255.8662,
313.7286, 248.6790

 4.3107, 7.9197,
2.4532

306.4433,

 1.8793, 4.0436,

372.4806, 300.7819

0.8152

363.2814,
438.1447, 359.6971

■ 0.5648, 1.6980,
0.0000

■ 0.0000, 0.4223,
0.0000

■ 63.4251, 84.8420,
55.6811

■ 63.4251, 84.8420,
55.6811

■ 55.8182, 81.1914,
43.0846

■ 72.4961, 89.1921,
70.8380

■ 49.5974, 78.2033,
32.9036

■ 83.1009, 94.2751,
88.6817

■ 44.6793, 75.8381,
24.9848

■ 95.0500, 100.0000,
108.9000

■ 40.9713, 74.0518,
19.1556

■ 38.3684, 72.7944,
15.2189

■ 36.7477, 72.0076,
12.9395

■ 35.9422, 71.6136,
11.9429

■ 35.9322, 71.6088,
11.9281

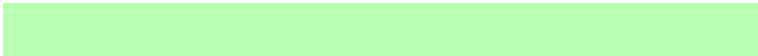
Harmonies

Analogous

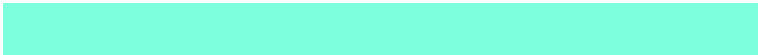
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3389, 84.8420, 42.0700



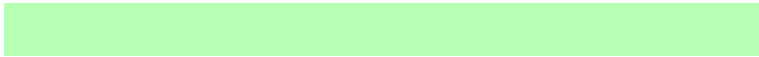
63.4251, 84.8420, 55.6811



59.2432, 84.8420, 82.1600

Triad

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



63.4251, 84.8420, 55.6811



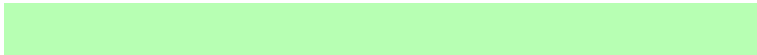
76.9880, 84.8420, 177.9212



105.0798, 84.8420, 69.8652

Complementary

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



63.4251, 84.8420, 55.6811



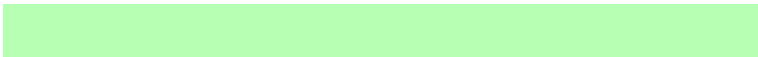
73.9548, 59.9707, 102.2854

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.



106.6523, 84.8420, 103.4110



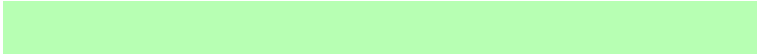
63.4251, 84.8420, 55.6811



89.5526, 84.8420, 172.1696

Square

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



63.4251, 84.8420, 55.6811



66.5276, 84.8420, 156.5812



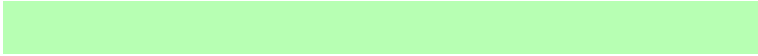
100.7175, 84.8420, 142.4406



96.6186, 84.8420, 48.6747

Rectangle

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



63.4251, 84.8420, 55.6811



59.3709, 84.8420, 106.1795



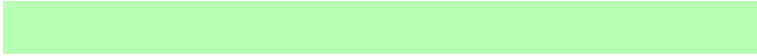
100.7175, 84.8420, 142.4406



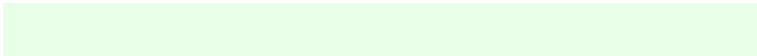
106.4636, 84.8420, 79.8284

Sweetspot

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



63.4256, 84.8422, 55.6824



84.0210, 94.7160, 90.2348



83.5419, 92.8447, 56.1668



17.6287, 20.1029, 18.7145



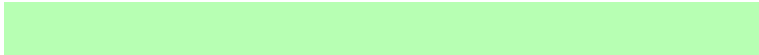
0.0000, 0.0000, 0.0000



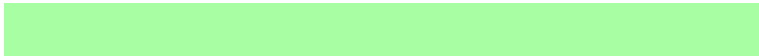
20.3446, 21.4041, 23.3091

Same Dimension

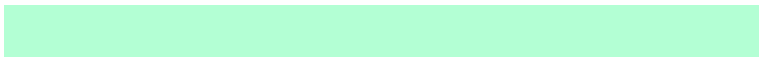
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4256, 84.8422, 55.6824



58.5436, 82.4996, 47.5828



66.2264, 85.8542, 75.3252



17.8600, 20.2137, 19.1046



18.8113, 37.4357, 6.2344



1.8613, 3.6603, 0.6084

Inverse Universe

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



73.9548, 59.9707, 102.2854



70.6681, 53.8409, 101.2755



70.5545, 58.7787, 76.7816



18.6927, 18.2488, 22.7871



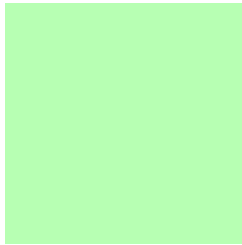
28.5316, 13.6191, 50.5595



2.8058, 1.3404, 4.9241

Previews

White Background



This preview shows how the XYZ color 63.4251, 84.8420, 55.6811 looks on a white background.

Color Contrast Check

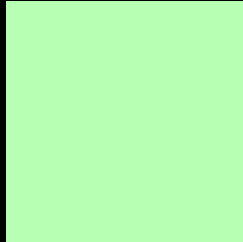
Large Text (above 18pt) WCAG AA × Fail

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 63.4251, 84.8420, 55.6811 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

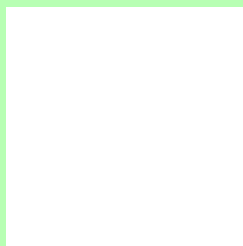
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4251, 84.8420, 55.6811

Background



This preview shows how black text looks on a background with the XYZ color 63.4251, 84.8420, 55.6811.

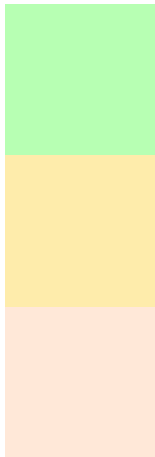


This preview shows how white text looks on a background with the XYZ color 63.4251, 84.8420,

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

63.4251, 84.8420, 55.6811

Protanopia

78.2192, 84.0020, 50.6195

Deuteranopia

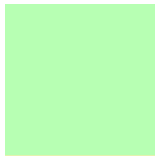
82.4913, 83.9311, 76.8183



Tritanopia

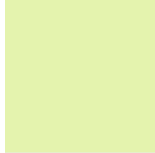
76.9535, 84.7213, 106.9047

Trichromacy



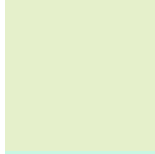
Original Color

63.4251, 84.8420, 55.6811



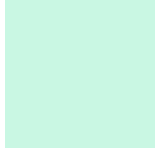
Protanomaly

71.6855, 83.6512, 52.4125



Deuteranomaly

74.2527, 83.2900, 68.6630



Tritanomaly

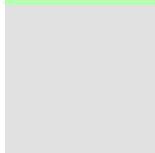
71.2133, 84.4851, 85.2270

Monochromacy



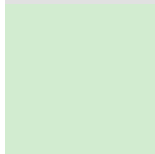
Original Color

63.4251, 84.8420, 55.6811



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9590, 78.2466, 71.1958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4251, 84.8420, 55.6811 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(183, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 179)  
}
```

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(183, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 63.4251, 84.8420, 55.6811 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(183, 255, 179) }
```


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

```
.border{ border-color:rgb(183, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4251, 84.8420, 55.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 179) }
```

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

```
.background{ background-color: rgb(183,  
255, 179) }
```

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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