

Converting Colors

XYZ(63.4556, 85.1435, 42.7679)

Have a look what the booklet for
XYZ(63.4556, 85.1435, 42.7679)
contains.

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Color

**XYZ(63.4198, 85.1245,
42.7939)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FF98
RGB	193, 255, 152
RGB Percent	76%, 100%, 60%
CMY	0.2431, 0.0000, 0.4039
CMYK	0.24, 0.00, 0.40, 0.00
HSL	96°, 100%, 80%
HSV	96°, 40%, 100%
XYZ	63.4198, 85.1245, 42.7939
YIQ	224.7200, -3.8890, -45.1770

Conversions

Conversions Part 2

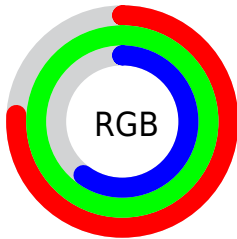
Format	Color
RYB	152, 255, 214
Decimal	12713880
CIELab	93.94, -36.95, 43.05
CIELCh	94, 56.729, 130.641
Yxy	85.1245, 0.3315, 0.4449
Android (android.graphics.Color)	4290903960 (0xFFC1FF98)
YUV	224.7200, -35.8510, -27.8184
Hunter-Lab	92.2629, -38.7626, 37.0838

Details

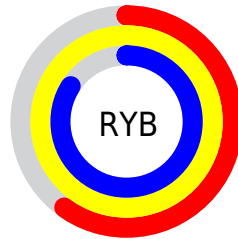
The XYZ color **63.4198, 85.1245, 42.7939** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.0111, 43.9740, 100.0908**, and the grayscale version is **71.6178, 75.3475, 82.0534**.

A 20% lighter version of the original color is **86.8061, 96.5342, 73.0893**, and **32.7627, 46.6074, 19.0737** is the 20% darker color. If you saturate the color by 10%, you get **57.8384, 82.4630, 32.7778**, and if you desaturate by 10%, it is **69.8570, 88.1751, 55.1960**.

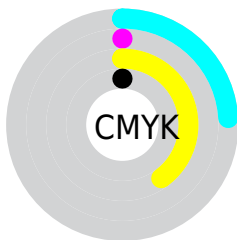
Distribution



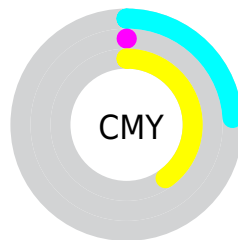
- Red (76%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (84%)



- Cyan (24%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4198, 85.1245, 42.7939 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 63.4198, 85.1245, 42.7939 by changing the saturation by 10% instead.


 63.4198, 85.1245,
42.7939


 63.4198, 85.1245,
42.7939


426.7269,
512.0399, 373.6598

 46.4408, 63.9443,
29.3932


 108.8533,
140.5471, 80.6828

 32.7999, 46.6055,
19.1304


 138.0386,
175.5583, 106.0081

 22.1317, 32.7239,
11.5867


172.0234,
215.9485, 136.1453

 14.0709, 21.9150,
6.3438

211.1730,
262.1022, 171.5130

 8.2520, 13.7945,
2.9831

255.8528,
314.4039, 212.5298

 4.3098, 7.9779,
1.0860

306.4282,

 1.8788, 4.0808,

373.2377, 259.6142

0.0000

363.2644,
438.9883, 313.1847

■ 0.5645, 1.7189,
0.0000

■ 0.0000, 0.4358,
0.0000

■ 63.4198, 85.1245,
42.7939

■ 63.4198, 85.1245,
42.7939

■ 57.8384, 82.4630,
32.7778

■ 69.8570, 88.1751,
55.1960

■ 53.0705, 80.1725,
24.9904

■ 77.1874, 91.6313,
70.1202

■ 49.0710, 78.2334,
19.2615

■ 85.4470, 95.5088,
87.6969

■ 45.7892, 76.6237,
15.3945

■ 94.6694, 99.8223,
108.0465

■ 43.1660, 75.3183, 95.0500, 100.0000,
13.1546 108.9000

■ 41.1831, 74.3157,
12.1738

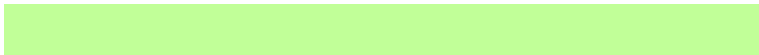
Harmonies

Analogous

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



75.6604, 85.1245, 32.5963



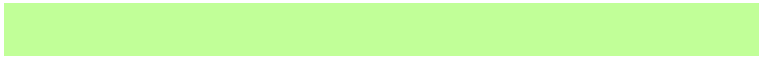
63.4198, 85.1245, 42.7939



56.4732, 85.1245, 67.7462

Triad

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



63.4198, 85.1245, 42.7939



71.6531, 85.1245, 195.4567



112.9583, 85.1245, 78.1530

Complementary

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



63.4198, 85.1245, 42.7939



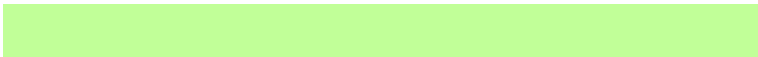
57.0111, 43.9740, 100.0908

Split Complementary

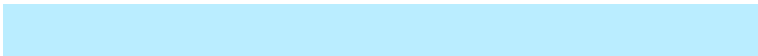
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.5362, 85.1245, 123.0997



63.4198, 85.1245, 42.7939



86.3934, 85.1245, 200.8906

Square

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



63.4198, 85.1245, 42.7939



60.8013, 85.1245, 158.1404



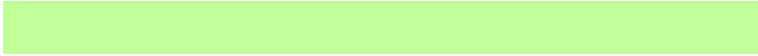
101.3481, 85.1245, 171.2601



105.0212, 85.1245, 48.3631

Rectangle

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



63.4198, 85.1245, 42.7939



55.1917, 85.1245, 93.6200



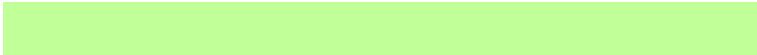
101.3481, 85.1245, 171.2601



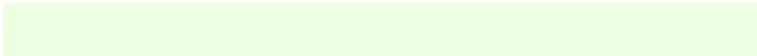
113.5813, 85.1245, 91.7584

Sweetspot

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



63.4201, 85.1246, 42.7952



84.0539, 94.8559, 84.6847



70.9040, 71.5197, 39.7747



17.7528, 20.1914, 17.6138



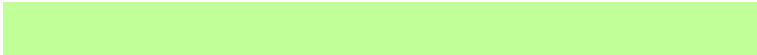
0.0000, 0.0000, 0.0000



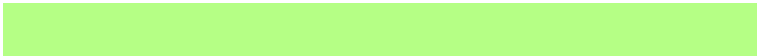
20.3446, 21.4041, 23.3091

Same Dimension

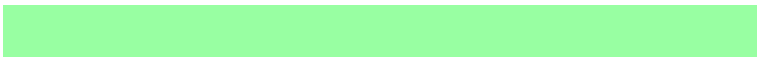
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4201, 85.1246, 42.7952



59.0973, 83.0650, 34.9641



55.2580, 80.8151, 47.0101



18.4557, 20.5208, 19.1325



21.6759, 38.9124, 6.3684



2.2295, 3.8501, 0.6256

Inverse Universe

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



57.0111, 43.9740, 100.0908



51.9141, 37.0476, 99.0225



68.9044, 50.2917, 92.2221



18.0521, 17.9186, 22.7571



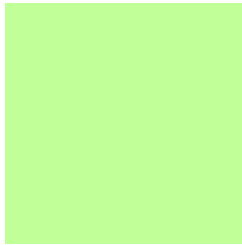
16.5181, 7.4259, 49.9973



1.7315, 0.7866, 4.8738

Previews

White Background



This preview shows how the XYZ color 63.4198, 85.1245, 42.7939 looks on a white background.

Color Contrast Check

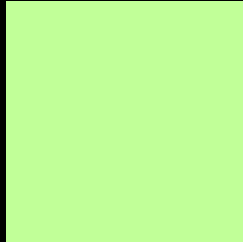
Large Text (above 18pt) WCAG AA × Fail

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 63.4198, 85.1245, 42.7939 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

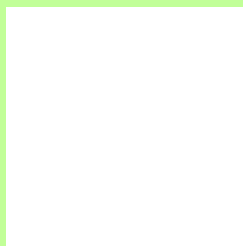
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4198, 85.1245, 42.7939

Background



This preview shows how black text looks on a background with the XYZ color 63.4198, 85.1245, 42.7939.



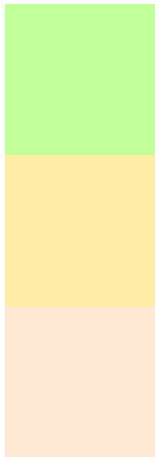
This preview shows how white text looks on a background with the XYZ color 63.4198, 85.1245,

42.7939.

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

63.4198, 85.1245, 42.7939

Protanopia

78.3157, 84.5450, 47.7884

Deuteranopia

82.2626, 84.2913, 74.2215



Tritanopia

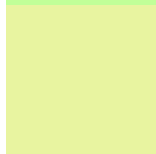
78.1206, 84.8823, 106.8743

Trichromacy



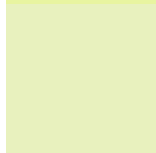
Original Color

63.4198, 85.1245, 42.7939



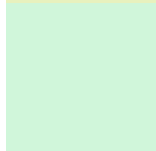
Protanomaly

71.9746, 84.3952, 45.7542



Deuteranomaly

74.0283, 83.7841, 60.9854



Tritanomaly

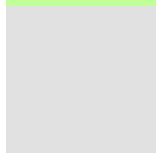
71.6231, 84.3834, 78.8424

Monochromacy



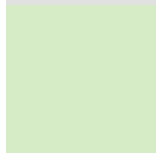
Original Color

63.4198, 85.1245, 42.7939



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.6291, 78.2143, 64.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4198, 85.1245, 42.7939 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(193, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 152)  
}
```

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(193, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 152) }
```

Border

The CSS property to change the border of an element to XYZ 63.4198, 85.1245, 42.7939 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(193, 255, 152) }
```


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

```
.border{ border-color:rgb(193, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 152);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4198, 85.1245, 42.7939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 152) }
```

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

```
.background{ background-color: rgb(193,  
255, 152) }
```

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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