

Converting Colors

XYZ(63.3432, 85.2542, 35.1439)

Have a look what the booklet for
XYZ(63.3432, 85.2542, 35.1439)
contains.

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Color

**XYZ(63.2823, 85.2192,
35.3039)**

Conversions

Conversions Part 1

Format	Color
Hex	C6FF85
RGB	198, 255, 133
RGB Percent	78%, 100%, 52%
CMY	0.2235, 0.0000, 0.4784
CMYK	0.22, 0.00, 0.48, 0.00
HSL	88°, 100%, 76%
HSV	88°, 48%, 100%
XYZ	63.2823, 85.2192, 35.3039
YIQ	224.0490, 5.1900, -50.0260

Conversions

Conversions Part 2

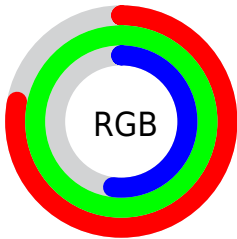
Format	Color
RYB	133, 255, 190
Decimal	13041541
CIELab	93.98, -37.44, 52.22
CIElCh	94, 64.253, 125.641
Yxy	85.2192, 0.3443, 0.4636
Android (android.graphics.Color)	4291231621 (0xFFC6FF85)
YUV	224.0490, -44.8872, -22.8450
Hunter-Lab	92.3142, -39.1865, 41.9456

Details

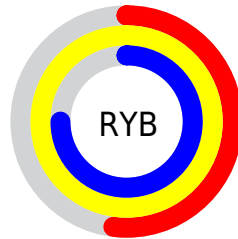
The XYZ color **63.2823, 85.2192, 35.3039** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.6740, 34.9435, 98.8398**, and the grayscale version is **71.1943, 74.9020, 81.5682**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **32.7974, 46.7181, 14.8783** is the 20% darker color. If you saturate the color by 10%, you get **58.7109, 83.0420, 26.9835**, and if you desaturate by 10%, it is **68.5289, 87.6950, 45.8903**.

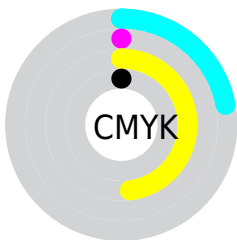
Distribution



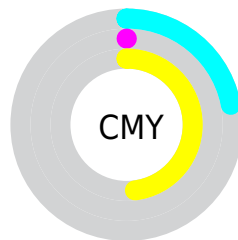
- Red (78%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (75%)



- Cyan (22%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2823, 85.2192, 35.3039 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 63.2823, 85.2192, 35.3039 by changing the saturation by 10% instead.


 63.2823, 85.2192,
35.3039

 63.2823, 85.2192,
35.3039


426.2367,
512.3531, 340.8526


 46.3291, 64.0225,
23.6116


 108.6562,
140.6794, 69.1132

 32.7113, 46.6689,
14.8363


 137.8077,
175.7117, 92.0673

 22.0636, 32.7740,
8.5592


 171.7559,
216.1246, 119.6125

 14.0205, 21.9534,
4.3619

210.8663,
262.3026, 152.1672

 8.2167, 13.8226,
1.8259

255.5043,
314.6301, 190.1500

 4.2869, 7.9974,
0.4450

306.0351,

 1.8657, 4.0933,

373.4914, 233.9795

0.0000

362.8241,
439.2709, 284.0742

■ 0.5568, 1.7259,
0.0000

■ 0.0000, 0.4403,
0.0000

■ 63.2823, 85.2192,
35.3039

■ 63.2823, 85.2192,
35.3039

■ 58.7109, 83.0420,
26.9835

■ 68.5289, 87.6950,
45.8903

■ 54.7769, 81.1476,
20.7593

■ 74.4838, 90.4834,
58.8885

■ 51.4388, 79.5188,
16.4438

■ 81.1783, 93.5973,
74.4364

■ 48.6482, 78.1356,
13.8142

■ 88.6417, 97.0492,
92.6602

■ 46.3425, 76.9720, 95.0500, 100.0000,
12.5726 108.9000

■ 45.8902, 76.7423,
12.3941

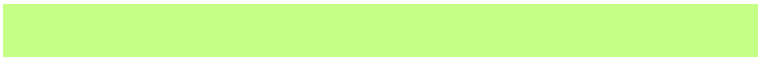
Harmonies

Analogous

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



77.8039, 85.2192, 27.0157



63.2823, 85.2192, 35.3039



54.5466, 85.2192, 59.0679

Triad

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



63.2823, 85.2192, 35.3039



68.1589, 85.2192, 207.9732



118.3947, 85.2192, 83.8232

Complementary

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



63.2823, 85.2192, 35.3039



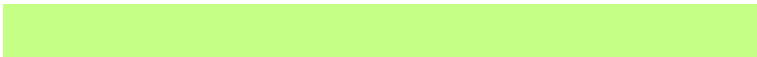
47.6740, 34.9435, 98.8398

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.



114.8595, 85.2192, 137.3857



63.2823, 85.2192, 35.3039



84.2789, 85.2192, 221.8711

Square

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



63.2823, 85.2192, 35.3039



57.0718, 85.2192, 159.3203



101.7459, 85.2192, 192.4951



110.8217, 85.2192, 47.9636

Rectangle

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



63.2823, 85.2192, 35.3039



52.3960, 85.2192, 85.8026



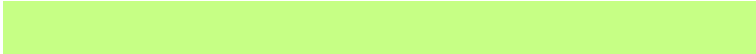
101.7459, 85.2192, 192.4951



118.4774, 85.2192, 100.1452

Sweetspot

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



63.2826, 85.2193, 35.3051



83.9532, 94.8829, 81.1145



63.8733, 59.7524, 30.3584



17.6329, 20.1530, 16.5486



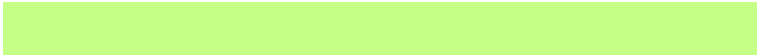
0.0000, 0.0000, 0.0000



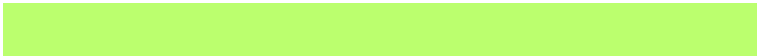
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2826, 85.2193, 35.3051



59.0707, 83.2142, 27.6007



50.3219, 78.5378, 34.6986



18.6957, 20.6446, 19.1438



24.1527, 40.1893, 6.4843



2.4778, 3.9781, 0.6373

Inverse Universe

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



47.6740, 34.9435, 98.8398



41.8478, 27.7096, 97.7506



66.1977, 44.4928, 99.7067



17.8099, 17.7937, 22.7458



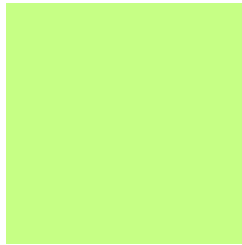
13.5857, 5.9142, 49.8601



1.4475, 0.6401, 4.8605

Previews

White Background



This preview shows how the XYZ color 63.2823, 85.2192, 35.3039 looks on a white background.

Color Contrast Check

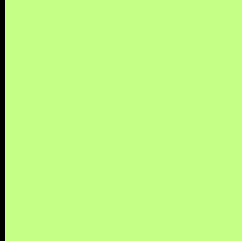
Large Text (above 18pt) WCAG AA × Fail

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 63.2823, 85.2192, 35.3039 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

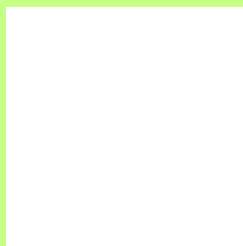
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2823, 85.2192, 35.3039

Background



This preview shows how black text looks on a background with the XYZ color 63.2823, 85.2192, 35.3039.

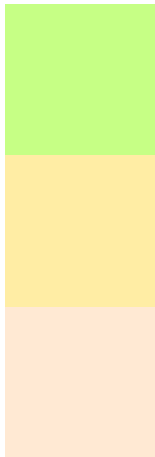


This preview shows how white text looks on a background with the XYZ color 63.2823, 85.2192,

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

63.2823, 85.2192, 35.3039

Protanopia

78.2250, 84.5087, 47.3109

Deuteranopia

82.1368, 84.2410, 73.5591



Tritanopia

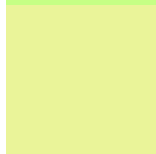
79.0289, 84.9123, 106.8322

Trichromacy



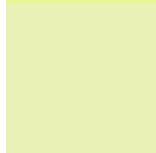
Original Color

63.2823, 85.2192, 35.3039



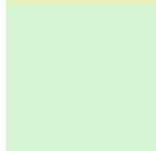
Protanomaly

72.0321, 84.4937, 42.6494



Deuteranomaly

73.9342, 83.8219, 57.0822



Tritanomaly

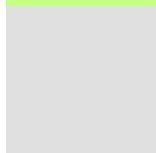
71.8509, 84.1541, 74.0844

Monochromacy



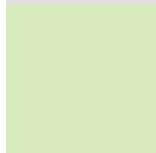
Original Color

63.2823, 85.2192, 35.3039



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1366, 77.6253, 60.7349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2823, 85.2192, 35.3039 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(198, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 133)  
}
```

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(198, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 63.2823, 85.2192, 35.3039 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(198, 255, 133) }
```


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

```
.border{ border-color:rgb(198, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2823, 85.2192, 35.3039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 133) }
```

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

```
.background{ background-color: rgb(198,  
255, 133) }
```

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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