

Converting Colors

XYZ(100.0109, 158.0108,
51.4248)

Have a look what the booklet for
XYZ(100.0109, 158.0108, 51.4248)
contains.

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Color

**XYZ(63.8200, 85.4039,
39.5065)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FF90
RGB	197, 255, 144
RGB Percent	77%, 100%, 56%
CMY	0.2274, 0.0000, 0.4353
CMYK	0.23, 0.00, 0.44, 0.00
HSL	91°, 100%, 78%
HSV	91°, 44%, 100%
XYZ	63.8200, 85.4039, 39.5065
YIQ	225.0040, 1.0630, -46.8170

Conversions

Conversions Part 2

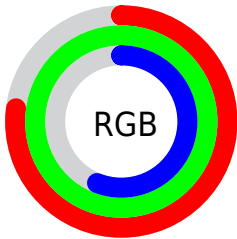
Format	Color
RYB	144, 255, 202
Decimal	12976016
CIELab	94.06, -36.55, 47.11
CIELCh	94, 59.622, 127.808
Yxy	85.4039, 0.3382, 0.4525
Android (android.graphics.Color)	4291166096 (0xFFC5FF90)
YUV	225.0040, -39.9350, -24.5595
Hunter-Lab	92.4142, -38.4553, 39.3439

Details

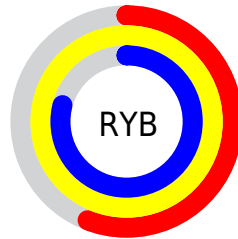
The XYZ color **63.8200, 85.4039, 39.5065** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.3816, 39.7244, 99.5145**, and the grayscale version is **71.8481, 75.5897, 82.3172**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **33.0669, 46.8062, 17.1892** is the 20% darker color. If you saturate the color by 10%, you get **58.7496, 82.9903, 30.2190**, and if you desaturate by 10%, it is **69.6397, 88.1529, 51.1290**.

Distribution



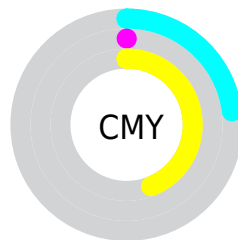
- Red (77%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (79%)



- Cyan (23%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.8200, 85.4039, 39.5065 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 63.8200, 85.4039, 39.5065 by changing the saturation by 10% instead.

 63.8200, 85.4039,
39.5065


 63.8200, 85.4039,
39.5065


428.1519,
512.9636, 359.5292

 46.7660, 64.1752,
26.8431


 109.4269,
140.9373, 75.6403

 33.0579, 46.7926,
17.2240


 138.7104,
176.0108, 99.9478

 22.3303, 32.8717,
10.2307


172.8013,
216.4681, 128.9737

 14.2177, 22.0282,
5.4446

212.0648,
262.6934, 163.1367

 8.3550, 13.8776,
2.4471

256.8662,
315.0712, 202.8551

 4.3766, 8.0356,
0.8120

307.5710,

 1.9173, 4.1177,

373.9859, 248.5477

0.0000

364.5444,
439.8219, 300.6329

■ 0.5869, 1.7396,
0.0000

■ 0.0000, 0.4491,
0.0000

■ 63.8200, 85.4039,
39.5065

■ 63.8200, 85.4039,
39.5065

■ 58.7496, 82.9903,
30.2190

■ 69.6397, 88.1529,
51.1290

■ 54.3895, 80.8956,
23.1044

■ 76.2427, 91.2516,
65.2265

■ 50.6981, 79.1021,
17.9858

■ 83.6615, 94.7141,
81.9323

■ 47.6276, 77.5897,
14.6569

■ 91.9265, 98.5533,
101.3689

■ 45.1212, 76.3347, 95.0500, 100.0000,
12.8661 108.9000

■ 43.7512, 75.6396,
12.2940

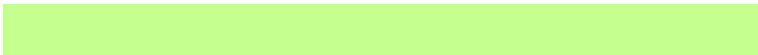
Harmonies

Analogous

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



77.0864, 85.4039, 30.3768



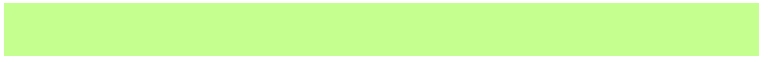
63.8200, 85.4039, 39.5065



56.0047, 85.4039, 63.6562

Triad

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



63.8200, 85.4039, 39.5065



70.1536, 85.4039, 200.0537



115.4288, 85.4039, 81.5831

Complementary

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



63.8200, 85.4039, 39.5065



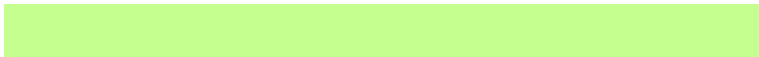
52.3816, 39.7244, 99.5145

Split Complementary

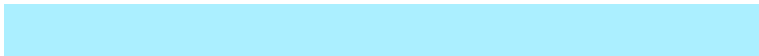
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.9388, 85.4039, 130.1828



63.8200, 85.4039, 39.5065



85.4033, 85.4039, 209.6702

Square

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



63.8200, 85.4039, 39.5065



59.3144, 85.4039, 157.7385



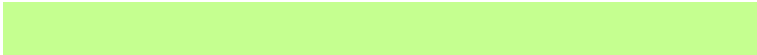
101.4188, 85.4039, 180.8574



107.8355, 85.4039, 48.9420

Rectangle

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



63.8200, 85.4039, 39.5065



54.2701, 85.4039, 89.6780



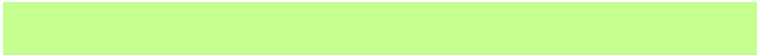
101.4188, 85.4039, 180.8574



115.7596, 85.4039, 96.3832

Sweetspot

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



63.8203, 85.4041, 39.5078



84.0766, 94.9073, 82.8895



67.2430, 65.2111, 35.4297



17.6279, 20.1427, 16.8964



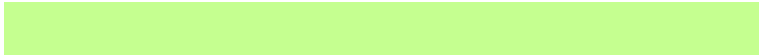
0.0000, 0.0000, 0.0000



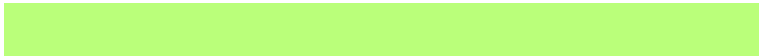
20.3446, 21.4041, 23.3091

Same Dimension

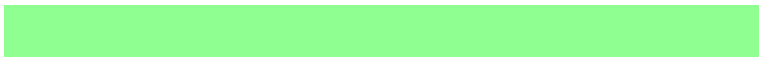
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8203, 85.4041, 39.5078



59.4775, 83.3381, 31.4936



52.4390, 79.5203, 39.7194



18.5967, 20.5935, 19.1391



23.0309, 39.6110, 6.4318



2.3676, 3.9213, 0.6321

Inverse Universe

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



52.3816, 39.7244, 99.5145



46.7181, 32.4033, 98.3999



68.9673, 48.3089, 98.7435



17.9088, 17.8447, 22.7504



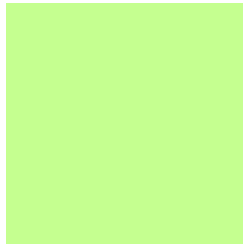
14.6798, 6.4782, 49.9113



1.5555, 0.6958, 4.8656

Previews

White Background



This preview shows how the XYZ color 63.8200, 85.4039, 39.5065 looks on a white background.

Color Contrast Check

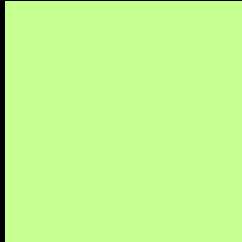
Large Text (above 18pt) WCAG AA × Fail

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 63.8200, 85.4039, 39.5065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

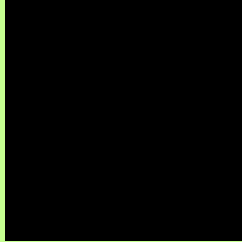
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.8200, 85.4039, 39.5065

Background



This preview shows how black text looks on a background with the XYZ color 63.8200, 85.4039, 39.5065.

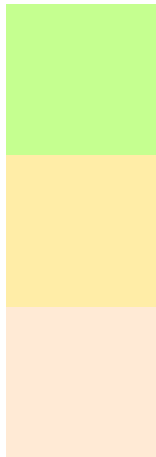


This preview shows how white text looks on a background with the XYZ color 63.8200, 85.4039,

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

63.8200, 85.4039, 39.5065

Protanopia

78.4992, 84.6184, 48.7548

Deuteranopia

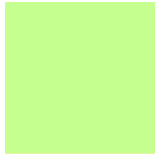
82.6731, 84.9097, 74.9827



Tritanopia

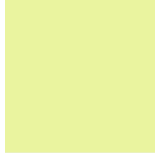
78.7253, 84.7558, 106.8180

Trichromacy



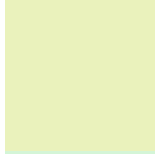
Original Color

63.8200, 85.4039, 39.5065



Protanomaly

72.5404, 84.6970, 45.3258



Deuteranomaly

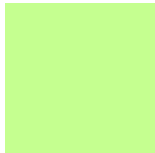
74.7609, 84.6275, 59.9714



Tritanomaly

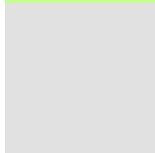
72.0695, 84.2082, 76.7453

Monochromacy



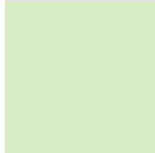
Original Color

63.8200, 85.4039, 39.5065



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9836, 78.4235, 63.7787

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8200, 85.4039, 39.5065 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(197, 255, 144)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 144)  
}
```

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(197, 255, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 144) }
```

Border

The CSS property to change the border of an element to XYZ 63.8200, 85.4039, 39.5065 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(197, 255, 144) }
```


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

```
.border{ border-color:rgb(197, 255, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 144);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8200, 85.4039, 39.5065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 144) }
```

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

```
.background{ background-color: rgb(197,  
255, 144) }
```

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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