

Converting Colors

XYZ(70.5709, 100.0000,
42.4840)

Have a look what the booklet for
XYZ(70.5709, 100.0000, 42.4840)
contains.

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Color

**XYZ(63.1190, 85.0337,
39.8745)**

Conversions

Conversions Part 1

Format	Color
Hex	C2FF91
RGB	194, 255, 145
RGB Percent	76%, 100%, 57%
CMY	0.2392, 0.0000, 0.4314
CMYK	0.24, 0.00, 0.43, 0.00
HSL	93°, 100%, 78%
HSV	93°, 43%, 100%
XYZ	63.1190, 85.0337, 39.8745
YIQ	224.2210, -1.0460, -47.1420

Conversions

Conversions Part 2

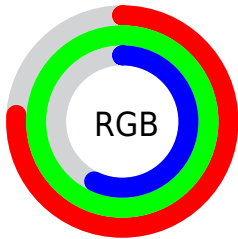
Format	Color
RYB	145, 255, 206
Decimal	12779409
CIELab	93.90, -37.47, 46.39
CIElCh	94, 59.633, 128.930
Yxy	85.0337, 0.3357, 0.4522
Android (android.graphics.Color)	4290969489 (0xFFC2FF91)
YUV	224.2210, -39.0560, -26.5038
Hunter-Lab	92.2137, -39.1933, 38.9118

Details

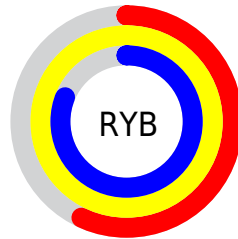
The XYZ color **63.1190, 85.0337, 39.8745** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.6302, 40.5939, 99.6165**, and the grayscale version is **71.2804, 74.9925, 81.6669**.

A 20% lighter version of the original color is **86.3302, 96.3856, 68.6978**, and **32.6071, 46.5641, 17.3944** is the 20% darker color. If you saturate the color by 10%, you get **57.9097, 82.5504, 30.4933**, and if you desaturate by 10%, it is **69.1157, 87.8718, 51.5984**.

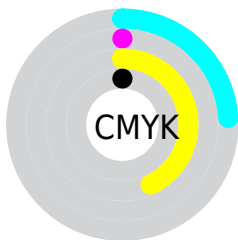
Distribution



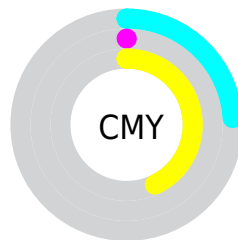
- Red (76%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (81%)



- Cyan (24%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1190, 85.0337, 39.8745 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 63.1190, 85.0337, 39.8745 by changing the saturation by 10% instead.


 63.1190, 85.0337,
39.8745


 63.1190, 85.0337,
39.8745


425.6540,
511.7396, 361.1307

 46.1965, 63.8692,
27.1277


 108.4220,
140.4203, 76.2074

 32.6062, 46.5448,
17.4358


 137.5332,
175.4111, 100.6305

 21.9827, 32.6759,
10.3805

171.4381,
215.7796, 129.7828

 13.9607, 21.8783,
5.5431

210.5019,
261.9100, 164.0828

 8.1749, 13.7675,
2.5050

255.0901,
314.1869, 203.9490

 4.2598, 7.9591,
0.8428

305.5679,

 1.8501, 4.0688,

372.9945, 249.8000

0.0000

362.3008,
438.7172, 302.0544

■ 0.5476, 1.7121,
0.0000

■ 0.0000, 0.4315,
0.0000

■ 63.1190, 85.0337,
39.8745

■ 63.1190, 85.0337,
39.8745

■ 57.9097, 82.5504,
30.4933

■ 69.1157, 87.8718,
51.5984

■ 53.4473, 80.4048,
23.2931

■ 75.9351, 91.0800,
65.8044

■ 49.6886, 78.5782,
18.0979

■ 83.6113, 94.6729,
82.6255

■ 46.5842, 77.0497,
14.7026

■ 92.1762, 98.6642,
102.1841

■ 44.0757, 75.7948, 95.0500, 100.0000,
12.8580 108.9000

■ 42.6459, 75.0698,
12.2423

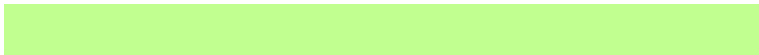
Harmonies

Analogous

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



76.1757, 85.0337, 30.2962



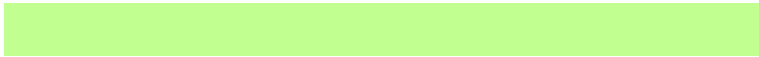
63.1190, 85.0337, 39.8745



55.5540, 85.0337, 64.5821

Triad

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



63.1190, 85.0337, 39.8745



70.3378, 85.0337, 200.4614



114.8809, 85.0337, 79.6694

Complementary

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



63.1190, 85.0337, 39.8745



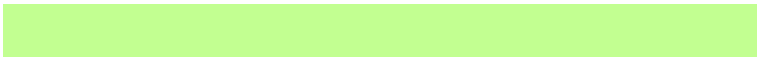
53.6302, 40.5939, 99.6165

Split Complementary

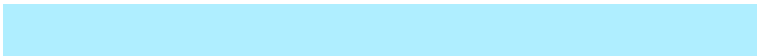
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.7818, 85.0337, 127.7039



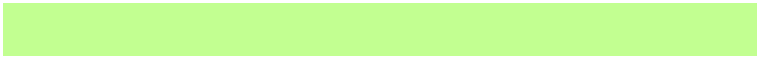
63.1190, 85.0337, 39.8745



85.6534, 85.0337, 208.5762

Square

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



63.1190, 85.0337, 39.8745



59.3268, 85.0337, 159.0973



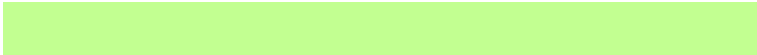
101.5595, 85.0337, 178.5975



106.9678, 85.0337, 47.8036

Rectangle

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



63.1190, 85.0337, 39.8745



53.9838, 85.0337, 90.9648



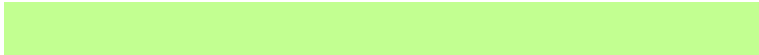
101.5595, 85.0337, 178.5975



115.3426, 85.0337, 94.2288

Sweetspot

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



63.1193, 85.0338, 39.8757



83.7218, 94.7245, 82.8729



68.3025, 67.2073, 36.1617



17.5406, 20.0977, 16.8923



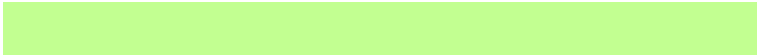
0.0000, 0.0000, 0.0000



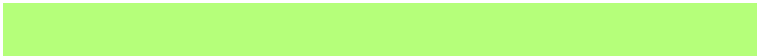
20.3446, 21.4041, 23.3091

Same Dimension

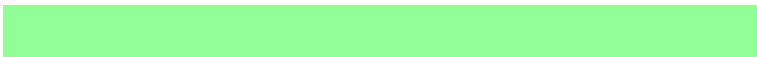
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1193, 85.0338, 39.8757



58.4631, 82.8152, 31.4462



52.9832, 79.7583, 41.6693



18.5397, 20.5641, 19.1365



22.4490, 39.3110, 6.4046



2.3091, 3.8912, 0.6294

Inverse Universe

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



53.6302, 40.5939, 99.6165



47.8066, 32.9645, 98.4508



68.5429, 48.3826, 95.7582



17.9664, 17.8744, 22.7531



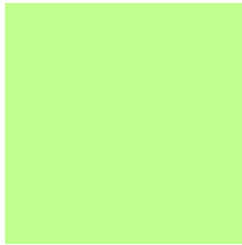
15.3824, 6.8404, 49.9442



1.6235, 0.7309, 4.8688

Previews

White Background



This preview shows how the XYZ color 63.1190, 85.0337, 39.8745 looks on a white background.

Color Contrast Check

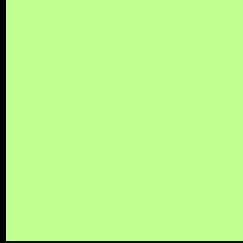
Large Text (above 18pt) WCAG AA × Fail

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 63.1190, 85.0337, 39.8745 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

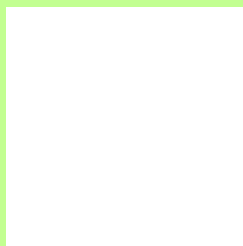
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.1190, 85.0337, 39.8745

Background



This preview shows how black text looks on a background with the XYZ color 63.1190, 85.0337, 39.8745.



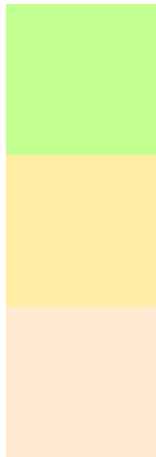
This preview shows how white text looks on a background with the XYZ color 63.1190, 85.0337,

39.8745.

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

63.1190, 85.0337, 39.8745

Protanopia

78.2250, 84.5087, 47.3109

Deuteranopia

82.1368, 84.2410, 73.5591



Tritanopia

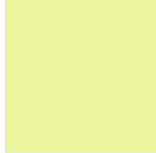
78.1235, 84.4456, 106.7898

Trichromacy



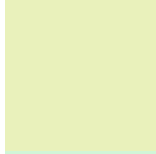
Original Color

63.1190, 85.0337, 39.8745



Protanomaly

72.0408, 84.4593, 44.4036



Deuteranomaly

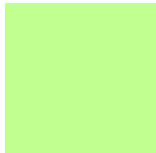
74.0292, 83.8221, 59.2912



Tritanomaly

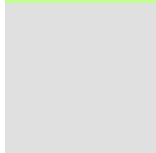
71.2126, 83.7664, 76.7052

Monochromacy



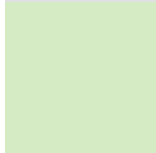
Original Color

63.1190, 85.0337, 39.8745



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.9992, 77.5029, 63.0581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1190, 85.0337, 39.8745 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(194, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 145)  
}
```

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(194, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 145) }
```

Border

The CSS property to change the border of an element to XYZ 63.1190, 85.0337, 39.8745 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(194, 255, 145) }
```


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

```
.border{ border-color:rgb(194, 255, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 255, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 255, 145); box-shadow:4px 4px 4px 4px rgb(194, 255, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1190, 85.0337, 39.8745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 145) }
```

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

```
.background{ background-color: rgb(194,  
255, 145) }
```

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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