

Converting Colors

XYZ(70.6796, 100.0000,
33.1603)

Have a look what the booklet for
XYZ(70.6796, 100.0000, 33.1603)
contains.

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Color

**XYZ(63.4469, 85.4085,
30.5942)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFF77
RGB	202, 255, 119
RGB Percent	79%, 100%, 47%
CMY	0.2078, 0.0000, 0.5333
CMYK	0.21, 0.00, 0.53, 0.00
HSL	83°, 100%, 73%
HSV	83°, 53%, 100%
XYZ	63.4469, 85.4085, 30.5942
YIQ	223.6490, 12.0680, -53.5320

Conversions

Conversions Part 2

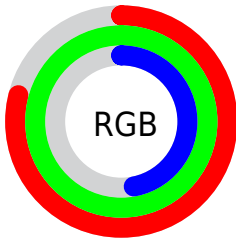
Format	Color
RYB	119, 255, 172
Decimal	13303671
CIELab	94.06, -37.41, 58.76
CIELCh	94, 69.660, 122.484
Yxy	85.4085, 0.3536, 0.4759
Android (android.graphics.Color)	4291493751 (0xFFCAFF77)
YUV	223.6490, -51.5920, -18.9862
Hunter-Lab	92.4167, -39.1836, 45.0640

Details

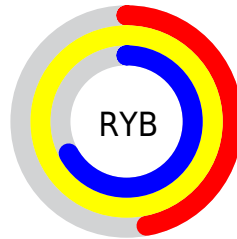
The XYZ color **63.4469, 85.4085, 30.5942** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **41.6614, 29.1856, 98.0453**, and the grayscale version is **70.9510, 74.6460, 81.2895**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **32.8253, 46.7896, 12.3022** is the 20% darker color. If you saturate the color by 10%, you get **59.5121, 83.5338, 23.4603**, and if you desaturate by 10%, it is **67.9661, 87.5368, 39.9020**.

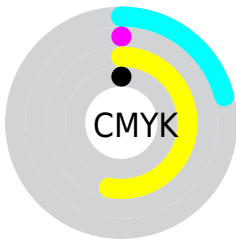
Distribution



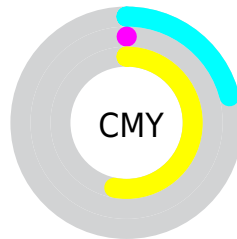
- Red (79%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (67%)



- Cyan (21%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4469, 85.4085, 30.5942 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 63.4469, 85.4085, 30.5942 by changing the saturation by 10% instead.

 63.4469, 85.4085,
30.5942

 63.4469, 85.4085,
30.5942


426.8235,
512.9788, 318.9575


 46.4628, 64.1790,
20.0342


 108.8922,
140.9438, 61.6727

 32.8174, 46.7956,
12.2356


 138.0841,
176.0183, 83.0282

 22.1451, 32.8741,
6.7798

 172.0761,
216.4766, 108.8193

 14.0808, 22.0300,
3.2484

211.2334,
262.7031, 139.4646

 8.2590, 13.8790,
1.2228

255.9215,
315.0822, 175.3825

 4.3143, 8.0365,
0.0000

306.5056,

 1.8814, 4.1183,

373.9982, 216.9916

0.0000

363.3512,
439.8356, 264.7104

■ 0.5660, 1.7400,
0.0000

■ 0.0000, 0.4493,
0.0000

■ 63.4469, 85.4085,
30.5942

■ 63.4469, 85.4085,
30.5942

■ 59.5121, 83.5338,
23.4603

■ 67.9661, 87.5368,
39.9020

■ 56.1243, 81.8976,
18.3192


■ 73.1021, 89.9324,
51.5378


■ 53.2412, 80.4826,
14.9666

■ 78.8855, 92.6075,
65.6462

■ 50.8121, 79.2679,
13.1526

■ 85.3442, 95.5739,
82.3587

 49.3973, 78.5503,
12.5582

 92.5043, 98.8422,
101.7976

95.0500, 100.0000,
108.9000

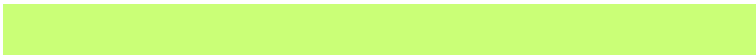
Harmonies

Analogous

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



79.6379, 85.4085, 23.6139



63.4469, 85.4085, 30.5942



53.4134, 85.4085, 53.2508

Triad

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



63.4469, 85.4085, 30.5942



65.7524, 85.4085, 216.6098



122.4033, 85.4085, 88.6261

Complementary

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



63.4469, 85.4085, 30.5942



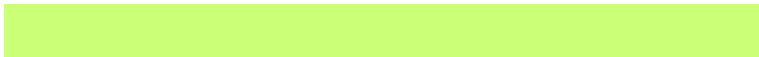
41.6614, 29.1856, 98.0453

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.



117.2039, 85.4085, 148.7892



63.4469, 85.4085, 30.5942



82.7383, 85.4085, 237.4307

Square

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



63.4469, 85.4085, 30.5942



54.5947, 85.4085, 159.5580



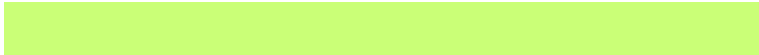
101.9389, 85.4085, 208.9021



115.2348, 85.4085, 48.1224

Rectangle

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



63.4469, 85.4085, 30.5942



50.6353, 85.4085, 80.2326



101.9389, 85.4085, 208.9021



122.0439, 85.4085, 107.0445

Sweetspot

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



63.4471, 85.4085, 30.5954



83.5534, 94.7533, 77.6378



59.1585, 51.7691, 24.3284



17.5954, 20.1487, 15.8662



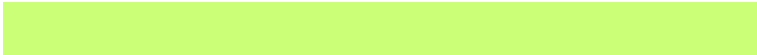
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



63.4471, 85.4085, 30.5954



59.2692, 83.4173, 23.0568



49.0608, 77.9921, 29.9221



18.8357, 20.7167, 19.1503



25.9835, 41.1330, 6.5700



2.6525, 4.0682, 0.6454

Inverse Universe

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



41.6614, 29.1856, 98.0453



35.4547, 21.8481, 96.9562



60.2890, 38.7885, 98.9171



17.6725, 17.7229, 22.7394



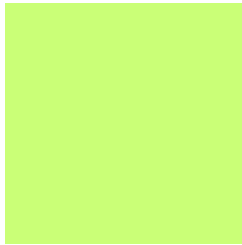
12.2968, 5.2497, 49.7998



1.3154, 0.5720, 4.8544

Previews

White Background



This preview shows how the XYZ color 63.4469, 85.4085, 30.5942 looks on a white background.

Color Contrast Check

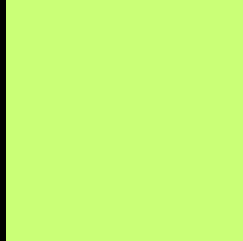
Large Text (above 18pt) WCAG AA × Fail

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 63.4469, 85.4085, 30.5942 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

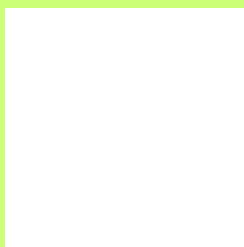
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4469, 85.4085, 30.5942

Background



This preview shows how black text looks on a background with the XYZ color 63.4469, 85.4085, 30.5942.



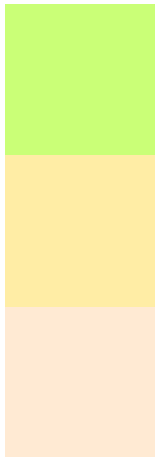
This preview shows how white text looks on a background with the XYZ color 63.4469, 85.4085,

30.5942.

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

63.4469, 85.4085, 30.5942

Protanopia

78.3157, 84.5450, 47.7884

Deuteranopia

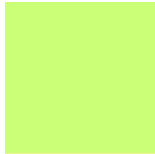
82.4207, 84.8088, 73.6537



Tritanopia

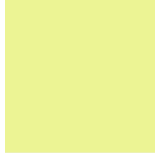
79.6570, 84.8003, 106.7775

Trichromacy



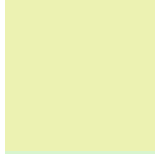
Original Color

63.4469, 85.4085, 30.5942



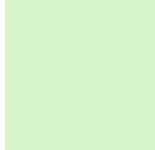
Protanomaly

72.2881, 84.6724, 40.5504



Deuteranomaly

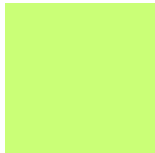
74.3801, 84.5515, 54.5193



Tritanomaly

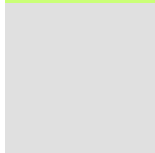
72.1119, 84.3600, 70.8749

Monochromacy



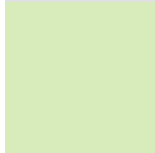
Original Color

63.4469, 85.4085, 30.5942



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.8902, 77.5608, 57.8996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4469, 85.4085, 30.5942 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(202, 255, 119)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 119)  
}
```

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(202, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 119) }
```

Border

The CSS property to change the border of an element to XYZ 63.4469, 85.4085, 30.5942 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(202, 255, 119) }
```


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

```
.border{ border-color:rgb(202, 255, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4469, 85.4085, 30.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 119) }
```

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

```
.background{ background-color: rgb(202,  
255, 119) }
```

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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