

Converting Colors

$Yxy(85.2715, 0.3463, 0.4599)$

Have a look what the booklet for
Yxy(85.2715, 0.3463, 0.4599)
contains.

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Color

Yxy(85.1894, 0.3462, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	CAFE87
RGB	202, 254, 135
RGB Percent	79%, 100%, 53%
CMY	0.2079, 0.0039, 0.4704
CMYK	0.20, 0.00, 0.47, 0.00
HSL	86°, 98%, 76%
HSV	86°, 47%, 100%
XYZ	64.1701, 85.1894, 35.9960
YIQ	224.8860, 7.2070, -48.0330

Conversions

Conversions Part 2

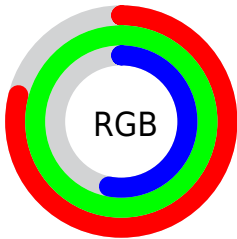
Format	Color
RYB	135, 254, 187
Decimal	13303431
CIELab	93.96, -35.35, 51.30
CIElCh	94, 62.304, 124.570
Yxy	85.1894, 0.3462, 0.4596
Android (android.graphics.Color)	4291493511 (0xFFCAFE87)
YUV	224.8860, -44.3138, -20.0710
Hunter-Lab	92.2981, -37.4199, 41.4857

Details

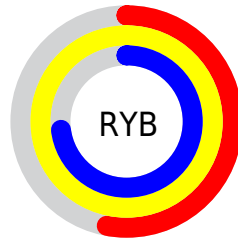
The Yxy color **85.1894, 0.3462, 0.4596** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.0686, 0.2612, 0.1946**, and the grayscale version is **75.5313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **46.6527, 0.3501, 0.4899** is the 20% darker color. If you saturate the color by 10%, you get **83.0666, 0.3505, 0.4878**, and if you desaturate by 10%, it is **87.6019, 0.3403, 0.4302**.

Distribution



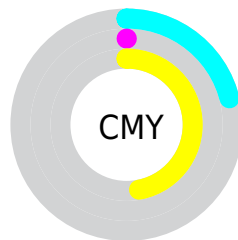
- Red (79%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (73%)



- Cyan (20%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1894, 0.3462, 0.4596 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 Yxy color 85.1894, 0.3462, 0.4596 by changing the saturation by 10% instead.


 85.1894, 0.3462,
0.4596

 85.1894, 0.3462,
0.4596


512.2546, 0.3340,
0.3984

 63.9979, 0.3480,
0.4734


 140.6378, 0.3427,
0.4385

 46.6490, 0.3498,
0.4902


 175.6634, 0.3411,
0.4302

 32.7582, 0.3511,
0.5111


 216.0692, 0.3397,
0.4231

 21.9413, 0.3514,
0.5375

262.2396, 0.3383,
0.4169

 13.8138, 0.3492,
0.5712

314.5589, 0.3371,
0.4114

 7.9913, 0.3429,
0.6178


373.4116, 0.3360,


 4.0894, 0.3230,


0.4066


0.6770

439.1820, 0.3350,
0.4023


 1.7237, 0.2602,
0.7398

 0.4389, 0.0000,
1.0000

 85.1894, 0.3462,
0.4596


 85.1894, 0.3462,
0.4596


 83.0666, 0.3505,
0.4878


 87.6019, 0.3403,
0.4302


 81.2077, 0.3529,
0.5133

 90.3062, 0.3334,
0.4009

 79.5999, 0.3529,
0.5348

 93.3185, 0.3258,
0.3727

 78.2244, 0.3505,
0.5512

 96.6503, 0.3180,
0.3460

■ 77.0578, 0.3459,
0.5621

99.3690, 0.3128,
0.3281

■ 76.7218, 0.3443,
0.5649

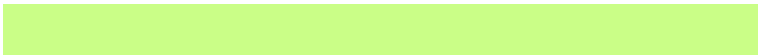
Harmonies

Analogous

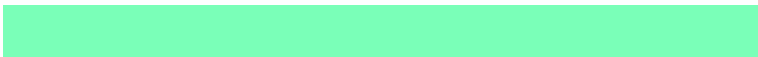
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1894, 0.4089, 0.4441



85.1894, 0.3462, 0.4596



85.1894, 0.2780, 0.4273

Triad

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



85.1894, 0.3462, 0.4596



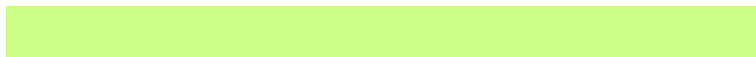
85.1894, 0.1913, 0.2396



85.1894, 0.4068, 0.2958

Complementary

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



85.1894, 0.3462, 0.4596



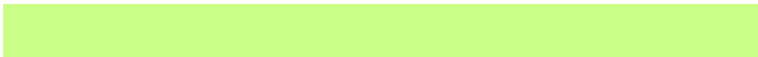
35.0686, 0.2612, 0.1946

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.



85.1894, 0.3370, 0.2533



85.1894, 0.3462, 0.4596



85.1894, 0.2166, 0.2208

Square

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



85.1894, 0.3462, 0.4596



85.1894, 0.1930, 0.2863



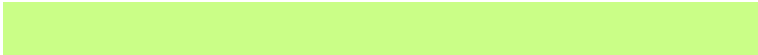
85.1894, 0.2673, 0.2266



85.1894, 0.4492, 0.3472

Rectangle

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



85.1894, 0.3462, 0.4596



85.1894, 0.2387, 0.3825



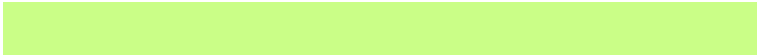
85.1894, 0.2673, 0.2266



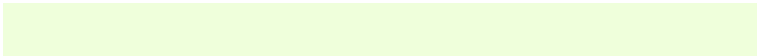
85.1894, 0.3852, 0.2803

Sweetspot

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



85.1931, 0.3462, 0.4596



95.0685, 0.3236, 0.3649



58.1908, 0.4141, 0.3829



20.1982, 0.3253, 0.3708



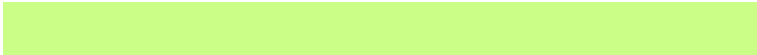
0.0000, 0.0000, 0.0000



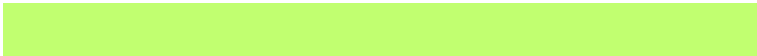
21.4041, 0.3127, 0.3290

Same Dimension

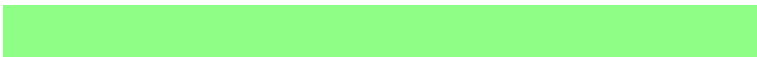
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.1931, 0.3462, 0.4596



83.9727, 0.3502, 0.4855



78.4764, 0.3099, 0.4756



20.6723, 0.3201, 0.3530



40.5346, 0.3454, 0.5640



4.0114, 0.3534, 0.5576

Inverse Universe

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



35.0686, 0.2612, 0.1946



27.9261, 0.2480, 0.1670



44.1020, 0.3112, 0.2125



17.7663, 0.3048, 0.3049



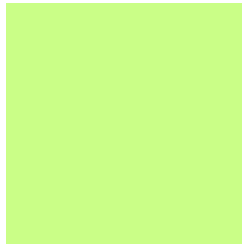
5.6408, 0.1905, 0.0823



0.6125, 0.2031, 0.0892

Previews

White Background



This preview shows how the Yxy color 85.1894, 0.3462, 0.4596 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 Yxy color 85.1894, 0.3462, 0.4596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

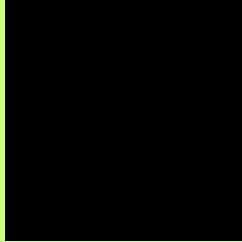
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.1894, 0.3462, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 85.1894, 0.3462, 0.4596.

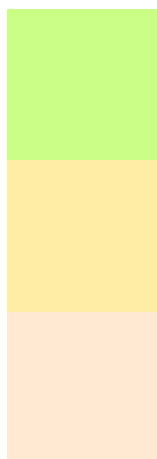


This preview shows how white text looks on a background with the Yxy color 85.1894, 0.3462, 0.4596.

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

85.1894, 0.3462, 0.4596

Protanopia

84.5450, 0.3718, 0.4014

Deuteranopia

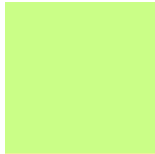
84.2410, 0.3423, 0.3511



Tritanopia

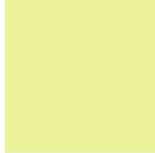
84.6410, 0.2931, 0.3126

Trichromacy



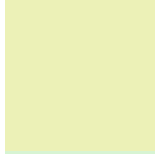
Original Color

85.1894, 0.3462, 0.4596



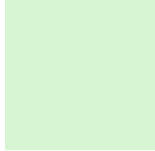
Protanomaly

84.2671, 0.3628, 0.4218



Deuteranomaly

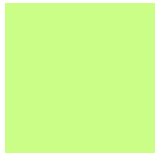
84.1624, 0.3456, 0.3899



Tritanomaly

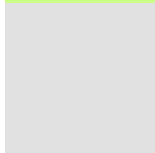
83.8516, 0.3136, 0.3646

Monochromacy



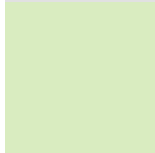
Original Color

85.1894, 0.3462, 0.4596



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.5484, 0.3273, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1894, 0.3462, 0.4596 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, 254, 135)` looks like.

```
.text, #text, p{  
    color:rgb(202, 254, 135)  
}
```

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, 254, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 254, 135) }
```

Border

The CSS property to change the border of an element to Yxy 85.1894, 0.3462, 0.4596 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, 254, 135) }
```

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

```
.border{ border-color:rgb(202, 254, 135) }
```

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

Here you see how a box with a 4 pixel rgb(202, 254, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 254, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 254, 135);  
box-shadow:4px 4px 4px 4px rgb(202, 254,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1894, 0.3462, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 254, 135) }
```

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

```
.background{ background-color: rgb(202,  
254, 135) }
```

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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