

Converting Colors

$Yxy(85.8369, 0.3396, 0.4507)$

Have a look what the booklet for
Yxy(85.8369, 0.3396, 0.4507)
contains.

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Color

Yxy(85.8437, 0.3396, 0.4507)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C8FF91 |
| RGB | 200, 255, 145 |
| RGB Percent | 78%, 100%, 57% |
| CMY | 0.2158, 0.0000, 0.4314 |
| CMYK | 0.22, 0.00, 0.43, 0.00 |
| HSL | 90°, 100%, 78% |
| HSV | 90°, 43%, 100% |
| XYZ | 64.6828, 85.8437, 39.9410 |
| YIQ | 226.0150, 2.5300, -45.8700 |

Conversions

Conversions Part 2

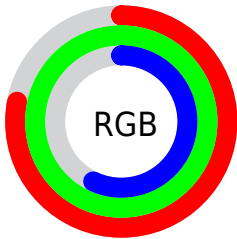
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 145, 255, 200 |
| Decimal | 13172625 |
| CIELab | 94.25, -35.40, 46.91 |
| CIELCh | 94, 58.766, 127.038 |
| Yxy | 85.8437, 0.3396, 0.4507 |
| Android (android.graphics.Color) | 4291362705 (0xFFC8FF91) |
| YUV | 226.0150, -39.9404, -22.8152 |
| Hunter-Lab | 92.6519, -37.5251, 39.2972 |

Details

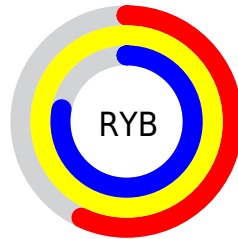
The Yxy color **85.8437, 0.3396, 0.4507** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.7478, 0.2718, 0.2078**, and the grayscale version is **76.3484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **47.0902, 0.3426, 0.4797** is the 20% darker color. If you saturate the color by 10%, you get **83.4552, 0.3435, 0.4805**, and if you desaturate by 10%, it is **88.5455, 0.3344, 0.4204**.

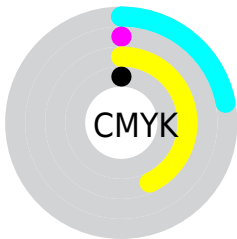
Distribution



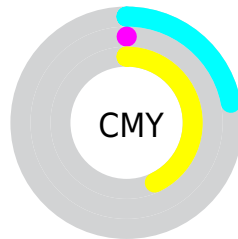
- Red (78%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8437, 0.3396, 0.4507 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 85.8437, 0.3396, 0.4507 by changing the saturation by 10% instead.


 85.8437, 0.3396,
0.4507

 85.8437, 0.3396,
0.4507


514.4157, 0.3299,
0.3936

 64.5387, 0.3410,
0.4637


 141.5514, 0.3368,
0.4309

 47.0872, 0.3424,
0.4796


 176.7228, 0.3356,
0.4232

 33.1046, 0.3434,
0.4995


217.2853, 0.3344,
0.4165

 22.2066, 0.3436,
0.5249

263.6231, 0.3334,
0.4107

 14.0088, 0.3417,
0.5581

316.1206, 0.3324,
0.4056

 8.1268, 0.3350,
0.6021


375.1623, 0.3315,

 4.1762, 0.3240,

0.4012

0.6760


441.1325, 0.3307,
0.3972


 1.7726, 0.2637,
0.7363


 0.4700, 0.0000,
1.0000


 85.8437, 0.3396,
0.4507

 85.8437, 0.3396,
0.4507


 83.4552, 0.3435,
0.4805


 88.5455, 0.3344,
0.4204


 81.3791, 0.3457,
0.5083

 91.5895, 0.3282,
0.3908

 79.5934, 0.3457,
0.5326

 94.9842, 0.3216,
0.3628

 78.0788, 0.3434,
0.5520

 98.7420, 0.3148,
0.3367

■ 76.8122, 0.3391,
0.5656

100.0000, 0.3127,
0.3290

■ 76.0662, 0.3352,
0.5720

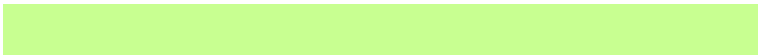
Harmonies

Analogous

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



85.8437, 0.3999, 0.4404



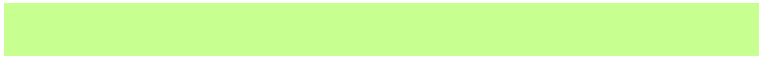
85.8437, 0.3396, 0.4507



85.8437, 0.2754, 0.4164

Triad

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



85.8437, 0.3396, 0.4507



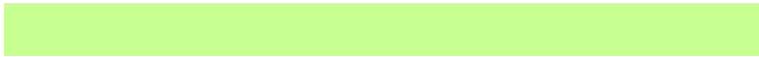
85.8437, 0.1985, 0.2422



85.8437, 0.4058, 0.3017

Complementary

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



85.8437, 0.3396, 0.4507



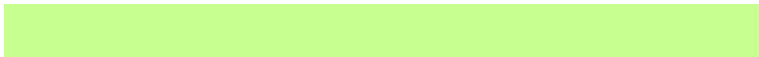
39.7478, 0.2718, 0.2078

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.



85.8437, 0.3416, 0.2600



85.8437, 0.3396, 0.4507



85.8437, 0.2247, 0.2260

Square

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



85.8437, 0.3396, 0.4507



85.8437, 0.1981, 0.2846



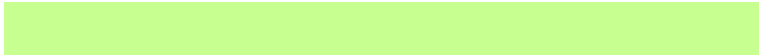
85.8437, 0.2749, 0.2331



85.8437, 0.4427, 0.3512

Rectangle

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



85.8437, 0.3396, 0.4507



85.8437, 0.2390, 0.3735



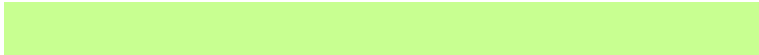
85.8437, 0.2749, 0.2331



85.8437, 0.3862, 0.2866

Sweetspot

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



85.8388, 0.3396, 0.4507



95.0354, 0.3215, 0.3624



64.6089, 0.4004, 0.3861



20.1743, 0.3230, 0.3684



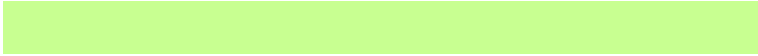
0.0000, 0.0000, 0.0000



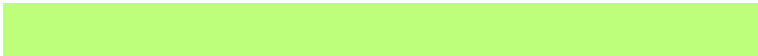
21.4041, 0.3127, 0.3290

Same Dimension

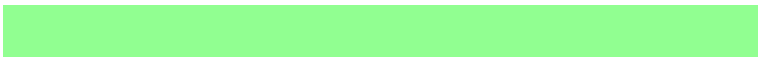
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8388, 0.3396, 0.4507



83.7118, 0.3431, 0.4771



79.5822, 0.3064, 0.4640



20.6141, 0.3192, 0.3530



39.8350, 0.3364, 0.5711



3.9435, 0.3450, 0.5643

Inverse Universe

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



39.7478, 0.2718, 0.2078



32.0217, 0.2607, 0.1816



48.7262, 0.3177, 0.2230



17.8241, 0.3058, 0.3050



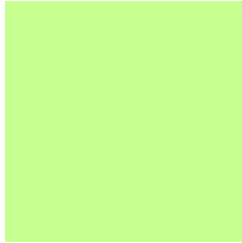
6.2414, 0.2021, 0.0887



0.6726, 0.2144, 0.0955

Previews

White Background



This preview shows how the Yxy color 85.8437, 0.3396, 0.4507 looks on a white background.

Color Contrast Check

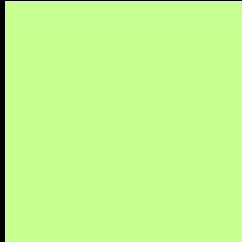
Large Text (above 18pt) WCAG AA × Fail

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 85.8437, 0.3396, 0.4507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

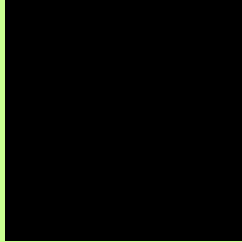
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

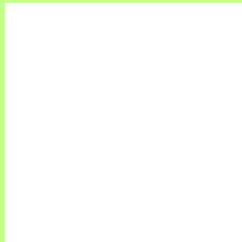
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8437, 0.3396, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 85.8437, 0.3396, 0.4507.

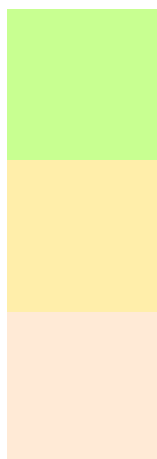


This preview shows how white text looks on a background with the Yxy color 85.8437, 0.3396, 0.4507.

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

85.8437, 0.3396, 0.4507

Protanopia

85.3114, 0.3683, 0.3973

Deuteranopia

84.9607, 0.3402, 0.3490



Tritanopia

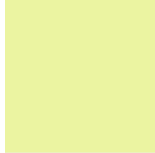
85.6602, 0.2925, 0.3147

Trichromacy



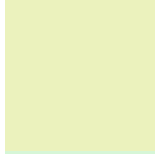
Original Color

85.8437, 0.3396, 0.4507



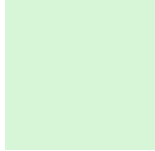
Protanomaly

84.9367, 0.3576, 0.4159



Deuteranomaly

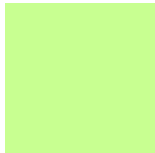
84.8406, 0.3409, 0.3846



Tritanomaly

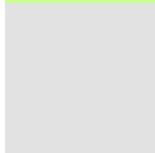
85.1140, 0.3105, 0.3623

Monochromacy



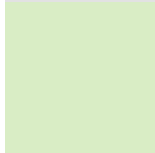
Original Color

85.8437, 0.3396, 0.4507



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.3513, 0.3241, 0.3728

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8437, 0.3396, 0.4507 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(200, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 85.8437, 0.3396, 0.4507 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(200, 255, 145) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8437, 0.3396, 0.4507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 145) }
```

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

```
.background{ background-color: rgb(200,  
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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