

Converting Colors

Yxy(100.0000, 0.3349, 0.4663)

Have a look what the booklet for
Yxy(100.0000, 0.3349, 0.4663)
contains.

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Color

Yxy(85.8747, 0.3391, 0.4496)

Conversions

Conversions Part 1

Format	Color
Hex	C8FF92
RGB	200, 255, 146
RGB Percent	78%, 100%, 57%
CMY	0.2157, 0.0000, 0.4274
CMYK	0.22, 0.00, 0.43, 0.00
HSL	90°, 100%, 79%
HSV	90°, 43%, 100%
XYZ	64.7689, 85.8747, 40.3588
YIQ	226.1290, 2.2090, -45.5590

Conversions

Conversions Part 2

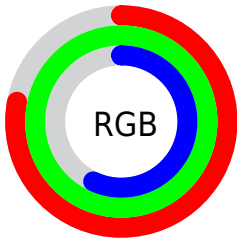
Format	Color
RYB	146, 255, 201
Decimal	13172626
CIELab	94.26, -35.26, 46.43
CIELCh	94, 58.305, 127.211
Yxy	85.8747, 0.3391, 0.4496
Android (android.graphics.Color)	4291362706 (0xFFC8FF92)
YUV	226.1290, -39.5036, -22.9151
Hunter-Lab	92.6686, -37.4109, 39.0462

Details

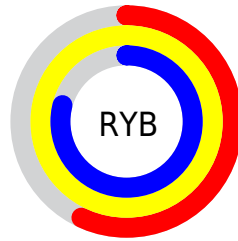
The Yxy color **85.8747, 0.3391, 0.4496** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.1992, 0.2727, 0.2091**, and the grayscale version is **76.4426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **47.1078, 0.3420, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **83.4706, 0.3430, 0.4795**, and if you desaturate by 10%, it is **88.6067, 0.3339, 0.4193**.

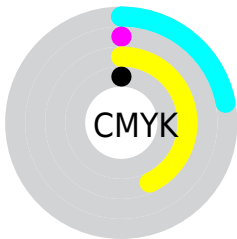
Distribution



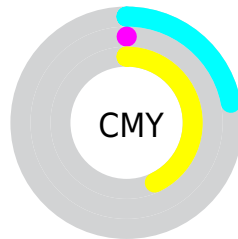
- Red (78%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (79%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8747, 0.3391, 0.4496 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 85.8747, 0.3391, 0.4496 by changing the saturation by 10% instead.


 85.8747, 0.3391,
0.4496

 85.8747, 0.3391,
0.4496


514.5180, 0.3296,
0.3930

 64.5644, 0.3405,
0.4625


 141.5946, 0.3364,
0.4299

 47.1079, 0.3419,
0.4783


 176.7730, 0.3352,
0.4223

 33.1210, 0.3429,
0.4980


217.3428, 0.3340,
0.4157

 22.2191, 0.3431,
0.5233

263.6886, 0.3330,
0.4100

 14.0180, 0.3413,
0.5563

316.1945, 0.3320,
0.4049

 8.1332, 0.3347,
0.6001


375.2452, 0.3311,


 4.1803, 0.3247,

0.4005

0.6753


441.2248, 0.3303,
0.3965

 1.7749, 0.2649,
0.7351


 0.4715, 0.0000,
1.0000


 85.8747, 0.3391,
0.4496


 85.8747, 0.3391,
0.4496


 83.4706, 0.3430,
0.4795


 88.6067, 0.3339,
0.4193


 81.3761, 0.3452,
0.5075

 91.6782, 0.3278,
0.3897

 79.5750, 0.3452,
0.5321

 95.1035, 0.3213,
0.3617

 78.0479, 0.3430,
0.5517

 98.8951, 0.3146,
0.3357

■ 76.7718, 0.3387,
0.5656

100.0000, 0.3127,
0.3290

■ 75.9806, 0.3346,
0.5725

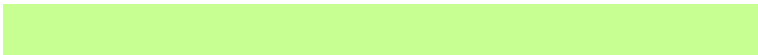
Harmonies

Analogous

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



85.8747, 0.3990, 0.4398



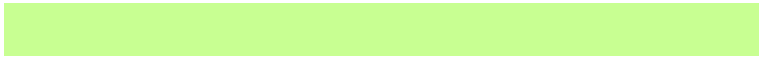
85.8747, 0.3391, 0.4496



85.8747, 0.2753, 0.4153

Triad

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



85.8747, 0.3391, 0.4496



85.8747, 0.1994, 0.2427



85.8747, 0.4054, 0.3022

Complementary

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



85.8747, 0.3391, 0.4496



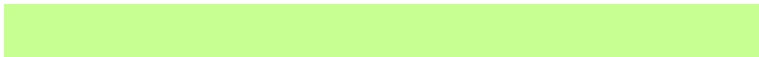
40.1992, 0.2727, 0.2091

Split Complementary

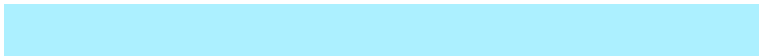
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.8747, 0.3418, 0.2607



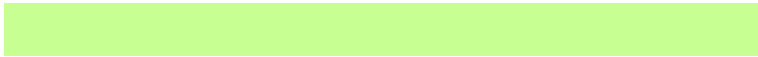
85.8747, 0.3391, 0.4496



85.8747, 0.2256, 0.2267

Square

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



85.8747, 0.3391, 0.4496



85.8747, 0.1988, 0.2847



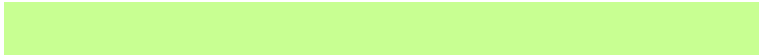
85.8747, 0.2755, 0.2339



85.8747, 0.4418, 0.3514

Rectangle

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



85.8747, 0.3391, 0.4496



85.8747, 0.2393, 0.3727



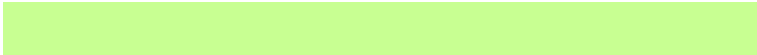
85.8747, 0.2755, 0.2339



85.8747, 0.3860, 0.2871

Sweetspot

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



85.8756, 0.3391, 0.4496



95.0103, 0.3214, 0.3624



64.8785, 0.3994, 0.3856



20.1681, 0.3229, 0.3684



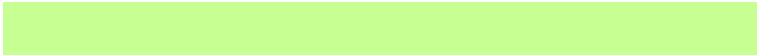
0.0000, 0.0000, 0.0000



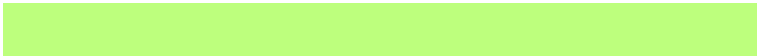
21.4041, 0.3127, 0.3290

Same Dimension

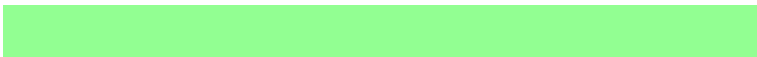
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8756, 0.3391, 0.4496



83.8665, 0.3424, 0.4744



79.7076, 0.3064, 0.4626



20.6100, 0.3191, 0.3530



39.7901, 0.3358, 0.5716



3.9391, 0.3444, 0.5648

Inverse Universe

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



40.1992, 0.2727, 0.2091



32.8956, 0.2625, 0.1847



49.0409, 0.3176, 0.2239



17.8281, 0.3058, 0.3050



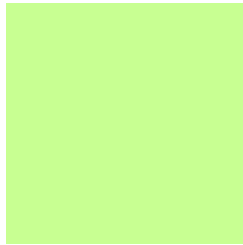
6.2868, 0.2030, 0.0892



0.6771, 0.2152, 0.0959

Previews

White Background



This preview shows how the Yxy color 85.8747, 0.3391, 0.4496 looks on a white background.

Color Contrast Check

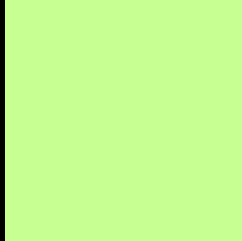
Large Text (above 18pt) WCAG AA × Fail

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 85.8747, 0.3391, 0.4496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

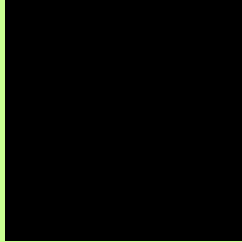
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8747, 0.3391, 0.4496

Background



This preview shows how black text looks on a background with the Yxy color 85.8747, 0.3391, 0.4496.

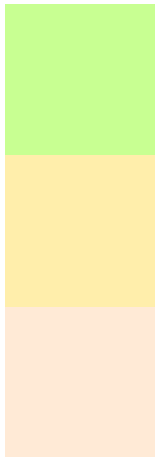


This preview shows how white text looks on a background with the Yxy color 85.8747, 0.3391, 0.4496.

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

85.8747, 0.3391, 0.4496

Protanopia

85.3493, 0.3676, 0.3963

Deuteranopia

84.9607, 0.3402, 0.3490



Tritanopia

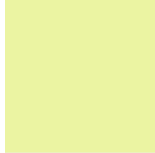
85.6602, 0.2925, 0.3147

Trichromacy



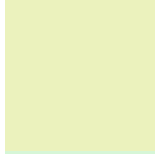
Original Color

85.8747, 0.3391, 0.4496



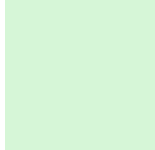
Protanomaly

84.9722, 0.3570, 0.4148



Deuteranomaly

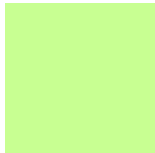
84.8406, 0.3409, 0.3846



Tritanomaly

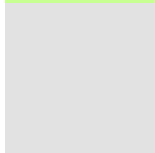
85.1140, 0.3105, 0.3623

Monochromacy



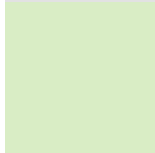
Original Color

85.8747, 0.3391, 0.4496



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 85.8747, 0.3391, 0.4496 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 146) }
```

Border

The CSS property to change the border of an element to Yxy 85.8747, 0.3391, 0.4496 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, 146) }
```

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

```
.border{ border-color:rgb(200, 255, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8747, 0.3391, 0.4496 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, 146) }
```

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

```
.background{ background-color: rgb(200,  
255, 146) }
```

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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