

Converting Colors

$Y_{xy}(116.6430, 0.3402, 0.5052)$

Have a look what the booklet for
Yxy(116.6430, 0.3402, 0.5052)
contains.

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Color

Yxy(85.1313, 0.3522, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	C8FF77
RGB	200, 255, 119
RGB Percent	78%, 100%, 47%
CMY	0.2157, 0.0000, 0.5332
CMYK	0.22, 0.00, 0.53, 0.00
HSL	84°, 100%, 73%
HSV	84°, 53%, 100%
XYZ	62.9107, 85.1313, 30.5801
YIQ	223.0510, 10.8760, -53.9560

Conversions

Conversions Part 2

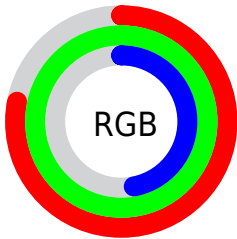
Format	Color
RYB	119, 255, 174
Decimal	13172599
CIELab	93.94, -38.13, 58.58
CIELCh	94, 69.895, 123.064
Yxy	85.1313, 0.3522, 0.4766
Android (android.graphics.Color)	4291362679 (0xFFC8FF77)
YUV	223.0510, -51.2971, -20.2157
Hunter-Lab	92.2666, -39.7589, 44.9360

Details

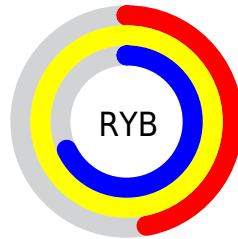
The Yxy color **85.1313, 0.3522, 0.4766** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.4262, 0.2483, 0.1735**, and the grayscale version is **74.1981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **46.6095, 0.3554, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **83.2263, 0.3558, 0.5026**, and if you desaturate by 10%, it is **87.2980, 0.3467, 0.4484**.

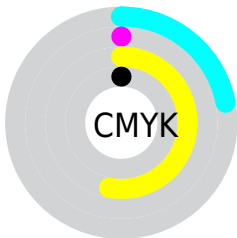
Distribution



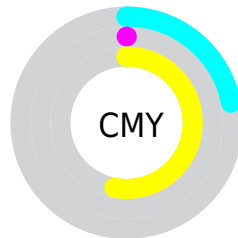
- Red (78%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (68%)



- Cyan (22%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.1313, 0.3522, 0.4766 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 85.1313, 0.3522, 0.4766 by changing the saturation by 10% instead.


 85.1313, 0.3522,
0.4766

 85.1313, 0.3522,
0.4766


512.0624, 0.3383,
0.4077

 63.9499, 0.3541,
0.4919


 140.5566, 0.3484,
0.4529

 46.6101, 0.3556,
0.5105


 175.5693, 0.3466,
0.4436

 32.7275, 0.3565,
0.5332


 215.9612, 0.3450,
0.4356

 21.9178, 0.3556,
0.5613

262.1166, 0.3434,
0.4286

 13.7965, 0.3510,
0.5962

314.4201, 0.3420,
0.4224

 7.9793, 0.3462,
0.6538


373.2560, 0.3407,


 4.0817, 0.3096,


0.4170


0.6904

439.0086, 0.3395,
0.4121

 1.7194, 0.2376,
0.7624


 0.4361, 0.0000,
1.0000


 85.1313, 0.3522,
0.4766


 85.1313, 0.3522,
0.4766

 83.2263, 0.3558,
0.5026


 87.2980, 0.3467,
0.4484


 81.5654, 0.3572,
0.5251


 89.7379, 0.3398,
0.4193


 80.1318, 0.3560,
0.5428

 92.4645, 0.3321,
0.3906

 78.9046, 0.3525,
0.5551

 95.4894, 0.3238,
0.3630

 78.1803, 0.3492,
0.5609

 98.8236, 0.3155,
0.3371

100.0000, 0.3127,
0.3290

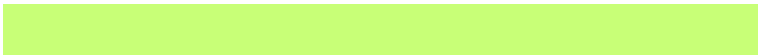
Harmonies

Analogous

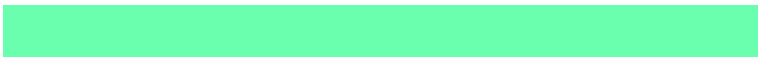
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1313, 0.4214, 0.4540



85.1313, 0.3522, 0.4766



85.1313, 0.2765, 0.4441

Triad

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



85.1313, 0.3522, 0.4766



85.1313, 0.1785, 0.2311



85.1313, 0.4147, 0.2889

Complementary

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



85.1313, 0.3522, 0.4766



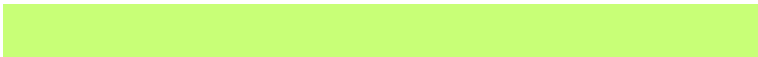
29.4262, 0.2483, 0.1735

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.



85.1313, 0.3352, 0.2435



85.1313, 0.3522, 0.4766



85.1313, 0.2044, 0.2100

Square

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



85.1313, 0.3522, 0.4766



85.1313, 0.1814, 0.2835



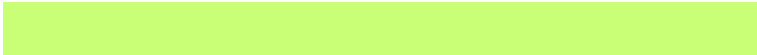
85.1313, 0.2583, 0.2155



85.1313, 0.4644, 0.3444

Rectangle

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



85.1313, 0.3522, 0.4766



85.1313, 0.2326, 0.3936



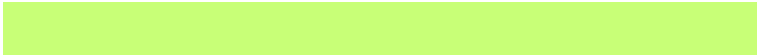
85.1313, 0.2583, 0.2155



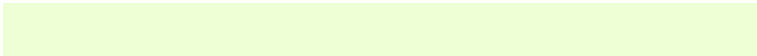
85.1313, 0.3899, 0.2723

Sweetspot

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



85.1321, 0.3522, 0.4766



94.6482, 0.3261, 0.3703



52.6427, 0.4359, 0.3850



20.1236, 0.3278, 0.3759



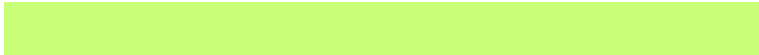
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



85.1321, 0.3522, 0.4766



83.1054, 0.3560, 0.5043



77.8098, 0.3114, 0.4974



20.7029, 0.3206, 0.3529



40.9403, 0.3503, 0.5600



4.0500, 0.3580, 0.5540

Inverse Universe

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



29.4262, 0.2483, 0.1735



22.0906, 0.2318, 0.1425



39.1949, 0.3065, 0.1967



17.7364, 0.3042, 0.3049



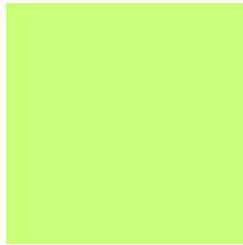
5.3657, 0.1850, 0.0793



0.5842, 0.1975, 0.0862

Previews

White Background



This preview shows how the Yxy color 85.1313, 0.3522, 0.4766 looks on a white background.

Color Contrast Check

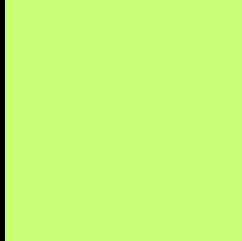
Large Text (above 18pt) WCAG AA × Fail

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 85.1313, 0.3522, 0.4766 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 85.1313, 0.3522, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 85.1313, 0.3522, 0.4766.

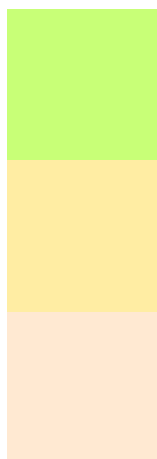


This preview shows how white text looks on a background with the Yxy color 85.1313, 0.3522, 0.4766.

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

85.1313, 0.3522, 0.4766

Protanopia

84.4727, 0.3731, 0.4033

Deuteranopia

84.1910, 0.3430, 0.3521



Tritanopia

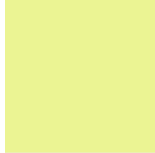
84.4826, 0.2924, 0.3126

Trichromacy



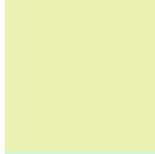
Original Color

85.1313, 0.3522, 0.4766



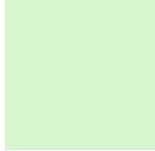
Protanomaly

84.4701, 0.3659, 0.4299



Deuteranomaly

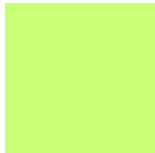
83.7471, 0.3486, 0.3964



Tritanomaly

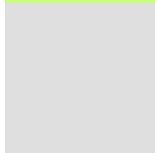
84.0572, 0.3159, 0.3712

Monochromacy



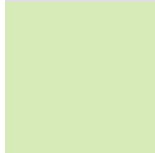
Original Color

85.1313, 0.3522, 0.4766



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.3665, 0.3305, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.1313, 0.3522, 0.4766 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 119) }
```

Border

The CSS property to change the border of an element to Yxy 85.1313, 0.3522, 0.4766 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, 119) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 85.1313, 0.3522, 0.4766 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, 119) }
```

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

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