

Converting Colors

Yxy(134.4336, 0.3313, 0.5165)

Have a look what the booklet for
Yxy(134.4336, 0.3313, 0.5165)
contains.

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Color

Yxy(84.2379, 0.3466, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	C1FF79
RGB	193, 255, 121
RGB Percent	76%, 100%, 47%
CMY	0.2433, 0.0000, 0.5254
CMYK	0.24, 0.00, 0.53, 0.00
HSL	88°, 100%, 74%
HSV	88°, 53%, 100%
XYZ	61.1965, 84.2379, 31.1279
YIQ	221.1860, 6.0620, -54.8180

Conversions

Conversions Part 2

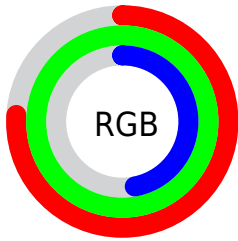
Format	Color
RYB	121, 255, 183
Decimal	12713849
CIELab	93.55, -40.46, 57.13
CIELCh	94, 70.011, 125.308
Yxy	84.2379, 0.3466, 0.4771
Android (android.graphics.Color)	4290903929 (0xFFC1FF79)
YUV	221.1860, -49.3917, -24.7191
Hunter-Lab	91.7812, -41.5995, 44.1384

Details

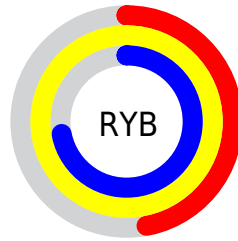
The Yxy color **84.2379, 0.3466, 0.4771** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.9737, 0.2559, 0.1784**, and the grayscale version is **72.7862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3500, 0.3576, 0.4072**, and **46.0277, 0.3487, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **82.1978, 0.3494, 0.5044**, and if you desaturate by 10%, it is **86.5575, 0.3420, 0.4478**.

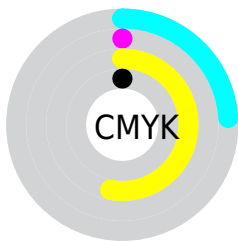
Distribution



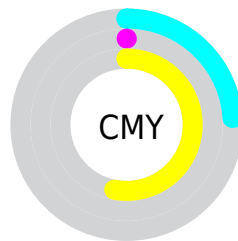
- Red (76%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (72%)



- Cyan (24%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2379, 0.3466, 0.4771 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 84.2379, 0.3466, 0.4771 by changing the saturation by 10% instead.


 84.2379, 0.3466,
0.4771


 84.2379, 0.3466,
0.4771


509.1029, 0.3352,
0.4075


 63.2119, 0.3479,
0.4927


 139.3079, 0.3436,
0.4530

 46.0126, 0.3489,
0.5118


 174.1207, 0.3422,
0.4436

 32.2558, 0.3490,
0.5352


 214.2978, 0.3408,
0.4355

 21.5569, 0.3473,
0.5645

260.2237, 0.3395,
0.4285

 13.5317, 0.3416,
0.6013

312.2828, 0.3383,
0.4223

 7.7957, 0.3346,
0.6611

370.8594, 0.3372,

 3.9645, 0.2966,

0.4168

0.7034

436.3380, 0.3361,
0.4119

■ 1.6537, 0.2095,
0.7905

■ 0.3934, 0.0000,
1.0000

■ 84.2379, 0.3466,
0.4771

■ 84.2379, 0.3466,
0.4771

■ 82.1978, 0.3494,
0.5044

■ 86.5575, 0.3420,
0.4478

■ 80.4355, 0.3501,
0.5283


■ 89.1859, 0.3360,
0.4180

■ 78.9279, 0.3484,
0.5474

■ 92.1317, 0.3292,
0.3888

■ 77.6532, 0.3445,
0.5610

■ 95.4074, 0.3220,
0.3611

 76.8317, 0.3405,
0.5679

 99.0247, 0.3146,
0.3352

100.0000, 0.3127,
0.3290

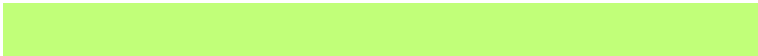
Harmonies

Analogous

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



84.2379, 0.4173, 0.4576



84.2379, 0.3466, 0.4771



84.2379, 0.2709, 0.4399

Triad

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



84.2379, 0.3466, 0.4771



84.2379, 0.1789, 0.2280



84.2379, 0.4204, 0.2926

Complementary

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



84.2379, 0.3466, 0.4771



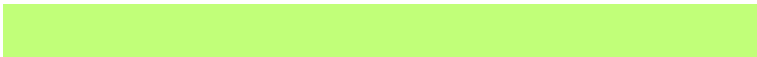
30.9737, 0.2559, 0.1784

Split Complementary

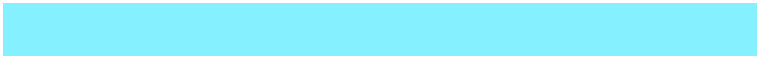
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2379, 0.3416, 0.2460



84.2379, 0.3466, 0.4771



84.2379, 0.2070, 0.2090

Square

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



84.2379, 0.3466, 0.4771



84.2379, 0.1796, 0.2782



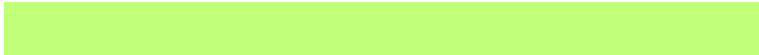
84.2379, 0.2632, 0.2163



84.2379, 0.4670, 0.3488

Rectangle

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



84.2379, 0.3466, 0.4771



84.2379, 0.2279, 0.3874



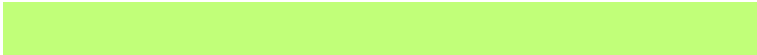
84.2379, 0.2632, 0.2163



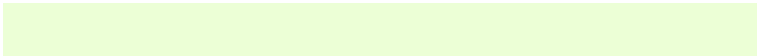
84.2379, 0.3961, 0.2756

Sweetspot

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



84.2330, 0.3466, 0.4771



94.2365, 0.3245, 0.3705



55.8149, 0.4293, 0.3910



20.0254, 0.3260, 0.3762



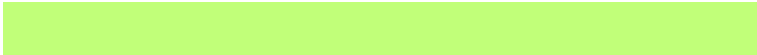
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.2330, 0.3466, 0.4771



82.1112, 0.3495, 0.5056



77.4682, 0.3080, 0.4964



20.6484, 0.3197, 0.3530



40.2361, 0.3416, 0.5670



3.9827, 0.3499, 0.5604

Inverse Universe

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



30.9737, 0.2559, 0.1784



23.6940, 0.2411, 0.1488



40.9107, 0.3127, 0.2008



17.7899, 0.3052, 0.3049



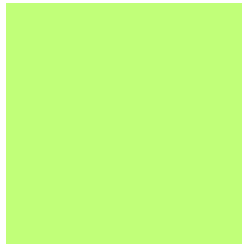
5.8747, 0.1951, 0.0848



0.6362, 0.2076, 0.0917

Previews

White Background



This preview shows how the Yxy color 84.2379, 0.3466, 0.4771 looks on a white background.

Color Contrast Check

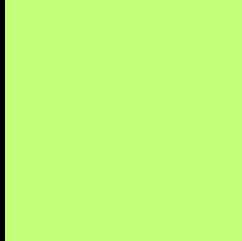
Large Text (above 18pt) WCAG AA × Fail

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 84.2379, 0.3466, 0.4771 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

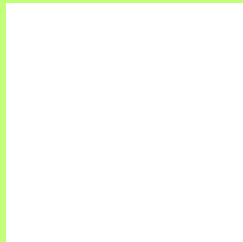
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2379, 0.3466, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 84.2379, 0.3466, 0.4771.

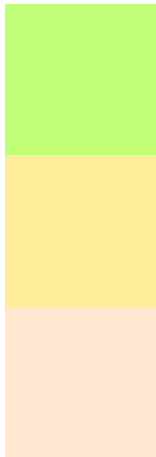


This preview shows how white text looks on a background with the Yxy color 84.2379, 0.3466, 0.4771.

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

84.2379, 0.3466, 0.4771

Protanopia

83.6175, 0.3785, 0.4102

Deuteranopia

83.4782, 0.3452, 0.3542



Tritanopia

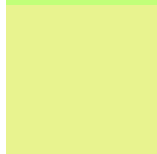
83.7047, 0.2894, 0.3124

Trichromacy



Original Color

84.2379, 0.3466, 0.4771



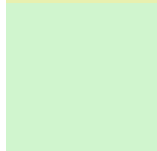
Protanomaly

83.2402, 0.3663, 0.4338



Deuteranomaly

82.6106, 0.3473, 0.3970



Tritanomaly

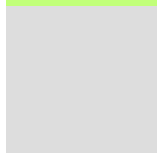
83.1709, 0.3120, 0.3717

Monochromacy



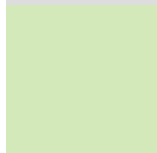
Original Color

84.2379, 0.3466, 0.4771



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.6295, 0.3279, 0.3830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2379, 0.3466, 0.4771 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(193, 255, 121)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 121)  
}
```

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(193, 255, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 121) }
```

Border

The CSS property to change the border of an element to Yxy 84.2379, 0.3466, 0.4771 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(193, 255, 121) }
```

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

```
.border{ border-color:rgb(193, 255, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 255, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 255, 121); box-shadow:4px 4px 4px 4px rgb(193, 255, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2379, 0.3466, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 121) }
```

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

```
.background{ background-color: rgb(193,  
255, 121) }
```

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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