

Converting Colors

$Yxy(84.6118, 0.3491, 0.4771)$

Have a look what the booklet for
Yxy(84.6118, 0.3491, 0.4771)
contains.

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Color

Yxy(84.6118, 0.3491, 0.4771)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C4FF78 |
| RGB | 196, 255, 120 |
| RGB Percent | 77%, 100%, 47% |
| CMY | 0.2314, 0.0000, 0.5296 |
| CMYK | 0.23, 0.00, 0.53, 0.00 |
| HSL | 86°, 100%, 74% |
| HSV | 86°, 53%, 100% |
| XYZ | 61.9115, 84.6118, 30.8227 |
| YIQ | 221.9690, 8.1710, -54.4930 |

Conversions

Conversions Part 2

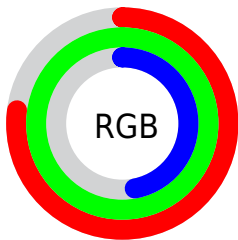
| Format | Color |
|-------------------------------------|--|
| RYB | 120, 255, 179 |
| Decimal | 12910456 |
| CIELab | 93.72, -39.49, 57.84 |
| CIElCh | 94, 70.037, 124.319 |
| Yxy | 84.6118, 0.3491, 0.4771 |
| Android (android.graphics.Color) | 4291100536 (0xFFC4FF78) |
| YUV | 221.9690, -50.2707, -22.7748 |
| Hunter-Lab | 91.9847, -40.8314, 44.5220 |

Details

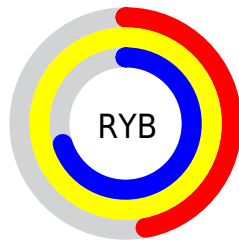
The Yxy color **84.6118, 0.3491, 0.4771** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **30.2216, 0.2524, 0.1760**, and the grayscale version is **73.3757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8751, 0.3603, 0.4076**, and **46.2705, 0.3516, 0.5113** is the 20% darker color. If you saturate the color by 10%, you get **82.6322, 0.3523, 0.5038**, and if you desaturate by 10%, it is **86.8633, 0.3441, 0.4483**.

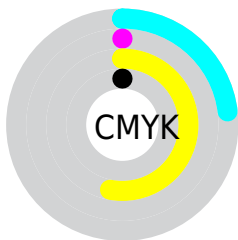
Distribution



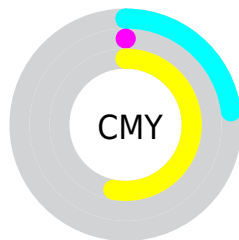
- Red (77%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6118, 0.3491, 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 84.6118, 0.3491, 0.4771 by changing the saturation by 10% instead.


 84.6118, 0.3491,
0.4771


 84.6118, 0.3491,
0.4771


510.3427, 0.3366,
0.4077


 63.5207, 0.3507,
0.4926


 139.8307, 0.3458,
0.4532

 46.2626, 0.3519,
0.5115


 174.7272, 0.3442,
0.4438

 32.4531, 0.3523,
0.5346


 214.9943, 0.3427,
0.4357

 21.7078, 0.3509,
0.5634

261.0164, 0.3413,
0.4287

 13.6423, 0.3457,
0.5994

313.1779, 0.3400,
0.4225

 7.8723, 0.3398,
0.6586

371.8632, 0.3388,

 4.0134, 0.3021,

0.4170

0.6979

437.4566, 0.3376,
0.4121

■ 1.6810, 0.2218,
0.7782

■ 0.4113, 0.0000,
1.0000

■ 84.6118, 0.3491,
0.4771

■ 84.6118, 0.3491,
0.4771

■ 82.6322, 0.3523,
0.5038

■ 86.8633, 0.3441,
0.4483

■ 80.9144, 0.3532,
0.5271


■ 89.4068, 0.3378,
0.4188


■ 79.4387, 0.3517,
0.5455

■ 92.2534, 0.3305,
0.3898

■ 78.1836, 0.3480,
0.5585

■ 95.4153, 0.3228,
0.3621

 77.4115, 0.3443,
0.5648

 98.9038, 0.3150,
0.3363

100.0000, 0.3127,
0.3290

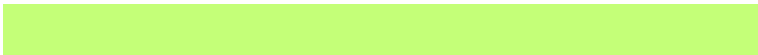
Harmonies

Analogous

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



84.6118, 0.4192, 0.4561



84.6118, 0.3491, 0.4771



84.6118, 0.2733, 0.4419

Triad

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



84.6118, 0.3491, 0.4771



84.6118, 0.1786, 0.2293



84.6118, 0.4180, 0.2909

Complementary

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



84.6118, 0.3491, 0.4771



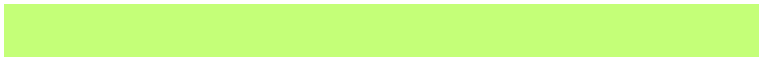
30.2216, 0.2524, 0.1760

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.



84.6118, 0.3388, 0.2448



84.6118, 0.3491, 0.4771



84.6118, 0.2057, 0.2093

Square

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



84.6118, 0.3491, 0.4771



84.6118, 0.1802, 0.2805



84.6118, 0.2609, 0.2158



84.6118, 0.4660, 0.3469

Rectangle

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



84.6118, 0.3491, 0.4771



84.6118, 0.2299, 0.3902



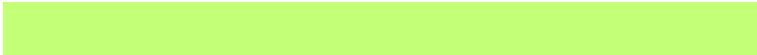
84.6118, 0.2609, 0.2158



84.6118, 0.3935, 0.2741

Sweetspot

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



84.6099, 0.3491, 0.4771



94.4195, 0.3252, 0.3704



54.6452, 0.4319, 0.3892



20.0691, 0.3268, 0.3760



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.



84.6099, 0.3491, 0.4771



82.4414, 0.3525, 0.5064



77.5389, 0.3091, 0.4973



20.6727, 0.3201, 0.3530



40.5391, 0.3454, 0.5639



4.0118, 0.3535, 0.5576

Inverse Universe

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



30.2216, 0.2524, 0.1760



22.6378, 0.2361, 0.1445



40.2347, 0.3106, 0.1991



17.7660, 0.3047, 0.3049



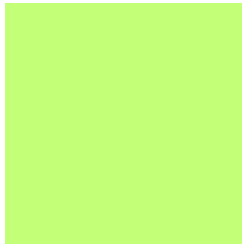
5.6374, 0.1904, 0.0823



0.6122, 0.2030, 0.0892

Previews

White Background



This preview shows how the Yxy color 84.6118, 0.3491, 0.4771 looks on a white background.

Color Contrast Check

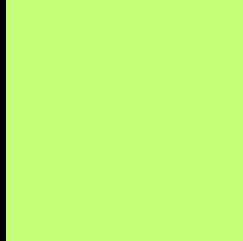
Large Text (above 18pt) WCAG AA × Fail

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 84.6118, 0.3491, 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

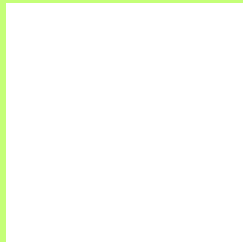
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6118, 0.3491, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 84.6118, 0.3491, 0.4771.

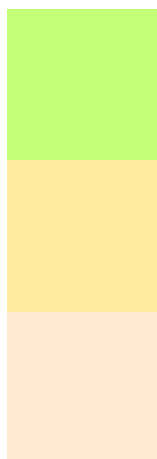


This preview shows how white text looks on a background with the Yxy color 84.6118, 0.3491, 0.4771.

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

84.6118, 0.3491, 0.4771

Protanopia

83.7195, 0.3766, 0.4073

Deuteranopia

84.0919, 0.3443, 0.3541



Tritanopia

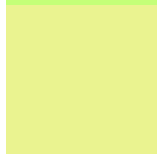
84.0131, 0.2906, 0.3125

Trichromacy



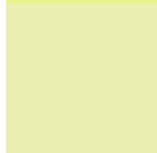
Original Color

84.6118, 0.3491, 0.4771



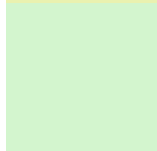
Protanomaly

83.6072, 0.3672, 0.4323



Deuteranomaly

83.5376, 0.3485, 0.3976



Tritanomaly

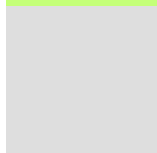
83.6099, 0.3139, 0.3715

Monochromacy



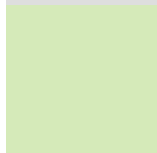
Original Color

84.6118, 0.3491, 0.4771



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.4946, 0.3292, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6118, 0.3491, 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(196, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 120)  
}
```

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(196, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 120) }
```

Border

The CSS property to change the border of an element to Yxy 84.6118, 0.3491, 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(196, 255, 120) }
```

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

```
.border{ border-color:rgb(196, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 120);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6118, 0.3491, 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(196, 255, 120) }
```

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

```
.background{ background-color: rgb(196,  
255, 120) }
```

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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