

Converting Colors

Yxy(83.9516, 0.3448, 0.4773)

Have a look what the booklet for
Yxy(83.9516, 0.3448, 0.4773)
contains.

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Color

Yxy(84.0015, 0.3449, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF7A
RGB	191, 255, 122
RGB Percent	75%, 100%, 48%
CMY	0.2508, 0.0000, 0.5217
CMYK	0.25, 0.00, 0.52, 0.00
HSL	89°, 100%, 74%
HSV	89°, 52%, 100%
XYZ	60.7637, 84.0015, 31.4125
YIQ	220.7020, 4.5490, -54.9310

Conversions

Conversions Part 2

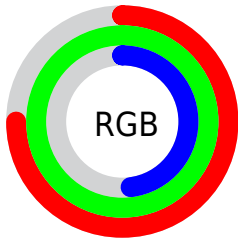
Format	Color
RYB	122, 255, 186
Decimal	12582778
CIELab	93.45, -41.04, 56.56
CIELCh	93, 69.879, 125.968
Yxy	84.0015, 0.3449, 0.4768
Android (android.graphics.Color)	4290772858 (0xFFBFFF7A)
YUV	220.7020, -48.6601, -26.0487
Hunter-Lab	91.6523, -42.0496, 43.8359

Details

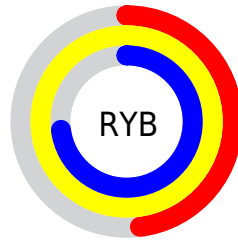
The Yxy color **84.0015, 0.3449, 0.4768** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.5622, 0.2583, 0.1802**, and the grayscale version is **72.4364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0183, 0.3557, 0.4066**, and **45.8739, 0.3466, 0.5118** is the 20% darker color. If you saturate the color by 10%, you get **81.9299, 0.3475, 0.5046**, and if you desaturate by 10%, it is **86.3793, 0.3405, 0.4472**.

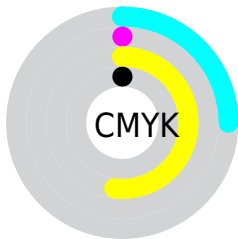
Distribution



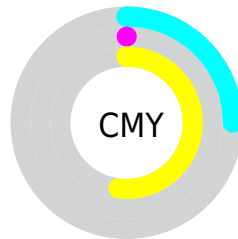
- Red (75%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (73%)



- Cyan (25%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0015, 0.3449, 0.4768 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 84.0015, 0.3449, 0.4768 by changing the saturation by 10% instead.

 84.0015, 0.3449,
0.4768


 84.0015, 0.3449,
0.4768


508.3182, 0.3342,
0.4072

 63.0167, 0.3461,
0.4925

 138.9773, 0.3422,
0.4527

 45.8547, 0.3469,
0.5116


 173.7370, 0.3408,
0.4433

 32.1312, 0.3468,
0.5352


 213.8572, 0.3395,
0.4352

 21.4617, 0.3449,
0.5648

259.7222, 0.3383,
0.4281

 13.4619, 0.3389,
0.6020

311.7164, 0.3372,
0.4219

 7.7474, 0.3313,
0.6621


370.2242, 0.3361,


 3.9337, 0.2933,


0.4164


0.7067


435.6300, 0.3351,
0.4116

 1.6366, 0.2017,
0.7983


 0.3821, 0.0000,
1.0000


 84.0015, 0.3449,
0.4768


 84.0015, 0.3449,
0.4768


 81.9299, 0.3475,
0.5046


 86.3793, 0.3405,
0.4472


 80.1370, 0.3480,
0.5289


 89.0674, 0.3348,
0.4172

 78.6078, 0.3462,
0.5485

 92.0830, 0.3283,
0.3879

 77.3203, 0.3422,
0.5625

 95.4391, 0.3214,
0.3601

 76.4569, 0.3379,
0.5699

 99.1477, 0.3143,
0.3343

99.9998, 0.3127,
0.3290

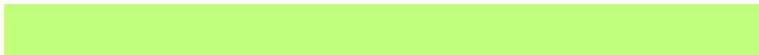
Harmonies

Analogous

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



84.0015, 0.4158, 0.4584



84.0015, 0.3449, 0.4768



84.0015, 0.2694, 0.4383

Triad

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



84.0015, 0.3449, 0.4768



84.0015, 0.1793, 0.2274



84.0015, 0.4218, 0.2938

Complementary

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



84.0015, 0.3449, 0.4768



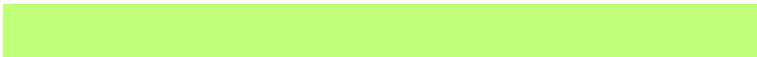
31.5622, 0.2583, 0.1802

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.



84.0015, 0.3434, 0.2469



84.0015, 0.3449, 0.4768



84.0015, 0.2080, 0.2090

Square

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



84.0015, 0.3449, 0.4768



84.0015, 0.1794, 0.2768



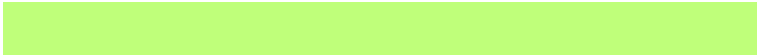
84.0015, 0.2647, 0.2169



84.0015, 0.4673, 0.3501

Rectangle

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



84.0015, 0.3449, 0.4768



84.0015, 0.2268, 0.3855



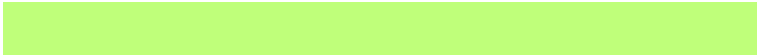
84.0015, 0.2647, 0.2169



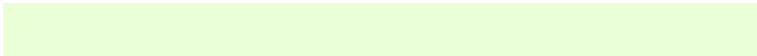
84.0015, 0.3977, 0.2768

Sweetspot

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



84.0052, 0.3449, 0.4768



94.1126, 0.3241, 0.3705



56.9661, 0.4269, 0.3929



19.9959, 0.3255, 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.



84.0052, 0.3449, 0.4768



81.7706, 0.3477, 0.5067



77.3905, 0.3070, 0.4957



20.6320, 0.3195, 0.3530



40.0399, 0.3391, 0.5690



3.9636, 0.3475, 0.5623

Inverse Universe

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



31.5622, 0.2583, 0.1802



24.0126, 0.2435, 0.1499



41.5601, 0.3146, 0.2023



17.8062, 0.3054, 0.3050



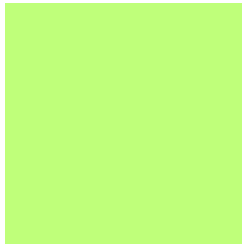
6.0457, 0.1984, 0.0867



0.6533, 0.2108, 0.0935

Previews

White Background



This preview shows how the Yxy color 84.0015, 0.3449, 0.4768 looks on a white background.

Color Contrast Check

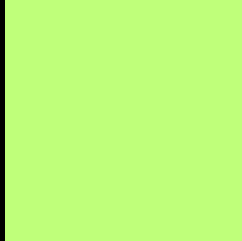
Large Text (above 18pt) WCAG AA × Fail

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 84.0015, 0.3449, 0.4768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

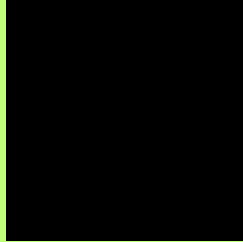
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

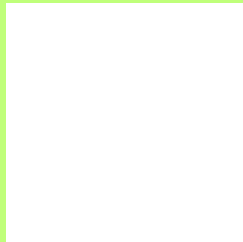
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0015, 0.3449, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 84.0015, 0.3449, 0.4768.

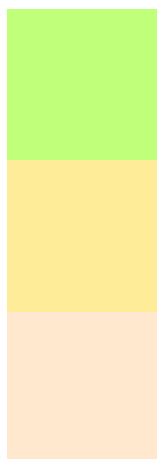


This preview shows how white text looks on a background with the Yxy color 84.0015, 0.3449, 0.4768.

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

84.0015, 0.3449, 0.4768

Protanopia

83.5508, 0.3797, 0.4121

Deuteranopia

83.4295, 0.3459, 0.3552



Tritanopia

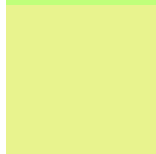
83.4001, 0.2882, 0.3124

Trichromacy



Original Color

84.0015, 0.3449, 0.4768



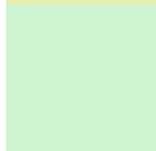
Protanomaly

83.2100, 0.3669, 0.4348



Deuteranomaly

82.5711, 0.3479, 0.3981



Tritanomaly

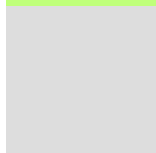
82.9316, 0.3101, 0.3708

Monochromacy



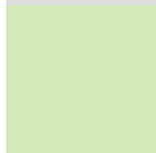
Original Color

84.0015, 0.3449, 0.4768



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4822, 0.3272, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0015, 0.3449, 0.4768 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(191, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 122)  
}
```

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(191, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 84.0015, 0.3449, 0.4768 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(191, 255, 122) }
```

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

```
.border{ border-color:rgb(191, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0015, 0.3449, 0.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 122) }
```

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

```
.background{ background-color: rgb(191,  
255, 122) }
```

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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