

Converting Colors

$Yxy(85.4690, 0.3417, 0.4790)$

Have a look what the booklet for
Yxy(85.4690, 0.3417, 0.4790)
contains.

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Color

Yxy(83.6414, 0.3424, 0.4768)

Conversions

Conversions Part 1

Format	Color
Hex	BCFF7B
RGB	188, 255, 123
RGB Percent	74%, 100%, 48%
CMY	0.2629, 0.0000, 0.5176
CMYK	0.26, 0.00, 0.52, 0.00
HSL	90°, 100%, 74%
HSV	90°, 52%, 100%
XYZ	60.0646, 83.6414, 31.7164
YIQ	219.9190, 2.4400, -55.2560

Conversions

Conversions Part 2

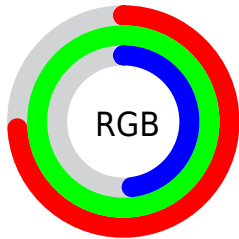
Format	Color
RYB	123, 255, 190
Decimal	12386171
CIELab	93.29, -42.03, 55.86
CIELCh	93, 69.904, 126.955
Yxy	83.6414, 0.3424, 0.4768
Android (android.graphics.Color)	4290576251 (0xFFBCFF7B)
YUV	219.9190, -47.7811, -27.9930
Hunter-Lab	91.4557, -42.8154, 43.4575

Details

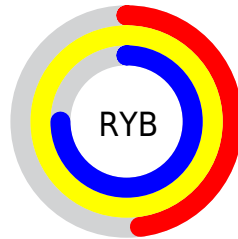
The Yxy color **83.6414, 0.3424, 0.4768** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **32.3397, 0.2619, 0.1826**, and the grayscale version is **71.8373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5085, 0.3531, 0.4061**, and **45.6431, 0.3438, 0.5123** is the 20% darker color. If you saturate the color by 10%, you get **81.5059, 0.3447, 0.5051**, and if you desaturate by 10%, it is **86.0779, 0.3384, 0.4467**.

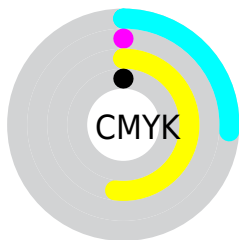
Distribution



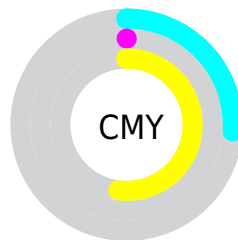
- Red (74%)
- Green (100%)
- Blue (48%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6414, 0.3424, 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 83.6414, 0.3424, 0.4768 by changing the saturation by 10% instead.


 83.6414, 0.3424,
0.4768


 83.6414, 0.3424,
0.4768


507.1217, 0.3328,
0.4070


 62.7194, 0.3434,
0.4926


 138.4734, 0.3400,
0.4526

 45.6143, 0.3439,
0.5119


 173.1523, 0.3388,
0.4431

 31.9415, 0.3435,
0.5358


 213.1855, 0.3376,
0.4350

 21.3168, 0.3412,
0.5658

258.9576, 0.3365,
0.4279

 13.3558, 0.3348,
0.6038

310.8528, 0.3355,
0.4217

 7.6740, 0.3261,
0.6646


369.2556, 0.3345,


 3.8871, 0.2877,

0.4162

0.7123


434.5505, 0.3336,
0.4114

 1.6106, 0.1880,
0.8120


 0.3647, 0.0000,
1.0000


 83.6414, 0.3424,
0.4768


 83.6414, 0.3424,
0.4768


 81.5059, 0.3447,
0.5051

 86.0779, 0.3384,
0.4467

 79.6737, 0.3449,
0.5301


 88.8503, 0.3331,
0.4164

 78.1192, 0.3429,
0.5504

 91.9665, 0.3271,
0.3869

 76.8198, 0.3388,
0.5649

 95.4397, 0.3205,
0.3591

 75.9154, 0.3342,
0.5729

 99.2826, 0.3139,
0.3333

100.0000, 0.3127,
0.3290

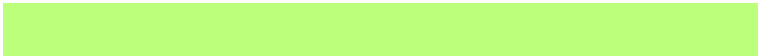
Harmonies

Analogous

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



83.6414, 0.4139, 0.4598



83.6414, 0.3424, 0.4768



83.6414, 0.2670, 0.4363

Triad

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



83.6414, 0.3424, 0.4768



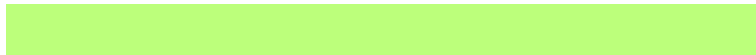
83.6414, 0.1796, 0.2261



83.6414, 0.4242, 0.2955

Complementary

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



83.6414, 0.3424, 0.4768



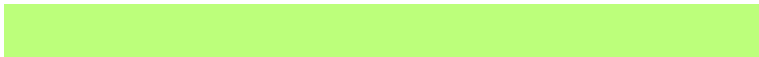
32.3397, 0.2619, 0.1826

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.



83.6414, 0.3462, 0.2481



83.6414, 0.3424, 0.4768



83.6414, 0.2092, 0.2087

Square

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



83.6414, 0.3424, 0.4768



83.6414, 0.1787, 0.2745



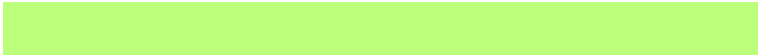
83.6414, 0.2670, 0.2174



83.6414, 0.4682, 0.3520

Rectangle

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



83.6414, 0.3424, 0.4768



83.6414, 0.2248, 0.3827



83.6414, 0.2670, 0.2174



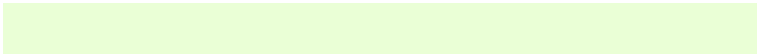
83.6414, 0.4004, 0.2783

Sweetspot

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



83.6349, 0.3424, 0.4768



93.9243, 0.3233, 0.3706



59.0853, 0.4231, 0.3968



19.9511, 0.3247, 0.3764



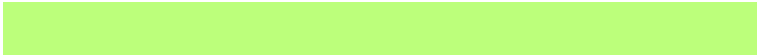
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.6349, 0.3424, 0.4768



81.4594, 0.3447, 0.5058



77.1610, 0.3049, 0.4953



20.6069, 0.3190, 0.3530



39.7558, 0.3354, 0.5719



3.9357, 0.3440, 0.5651

Inverse Universe

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



32.3397, 0.2619, 0.1826



25.1226, 0.2485, 0.1542



42.6459, 0.3185, 0.2047



17.8312, 0.3059, 0.3050



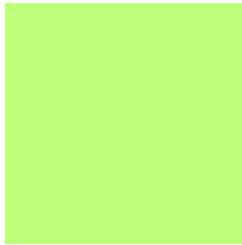
6.3221, 0.2037, 0.0896



0.6806, 0.2158, 0.0963

Previews

White Background



This preview shows how the Yxy color 83.6414, 0.3424, 0.4768 looks on a white background.

Color Contrast Check

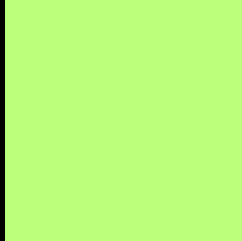
Large Text (above 18pt) WCAG AA × Fail

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 83.6414, 0.3424, 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 83.6414, 0.3424, 0.4768

Background



This preview shows how black text looks on a background with the Yxy color 83.6414, 0.3424, 0.4768.

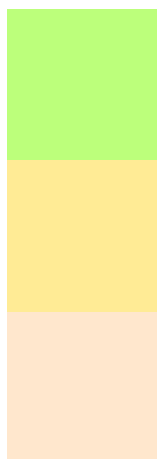


This preview shows how white text looks on a background with the Yxy color 83.6414, 0.3424, 0.4768.

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

83.6414, 0.3424, 0.4768

Protanopia

82.8466, 0.3826, 0.4150

Deuteranopia

82.8196, 0.3467, 0.3552



Tritanopia

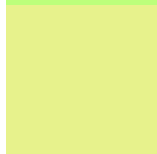
83.0991, 0.2870, 0.3123

Trichromacy



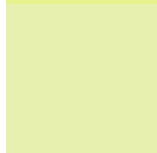
Original Color

83.6414, 0.3424, 0.4768



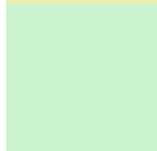
Protanomaly

82.3866, 0.3676, 0.4362



Deuteranomaly

82.4042, 0.3472, 0.3982



Tritanomaly

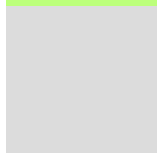
82.6472, 0.3088, 0.3709

Monochromacy



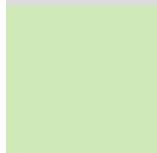
Original Color

83.6414, 0.3424, 0.4768



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1905, 0.3258, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6414, 0.3424, 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(188, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 123)  
}
```

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(188, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 123) }
```

Border

The CSS property to change the border of an element to Yxy 83.6414, 0.3424, 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(188, 255, 123) }
```

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

```
.border{ border-color:rgb(188, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6414, 0.3424, 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(188, 255, 123) }
```

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

```
.background{ background-color: rgb(188,  
255, 123) }
```

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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