

Converting Colors

Yxy(83.8561, 0.3365, 0.4651)

Have a look what the booklet for
Yxy(83.8561, 0.3365, 0.4651)
contains.

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Color

Yxy(83.8341, 0.3361, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	BBFF87
RGB	187, 255, 135
RGB Percent	73%, 100%, 53%
CMY	0.2668, 0.0000, 0.4705
CMYK	0.27, 0.00, 0.47, 0.00
HSL	94°, 100%, 76%
HSV	94°, 47%, 100%
XYZ	60.6210, 83.8341, 35.9109
YIQ	220.9880, -2.0080, -51.7360

Conversions

Conversions Part 2

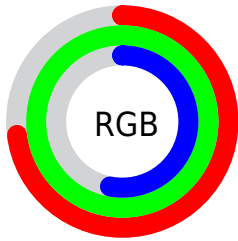
Format	Color
RYB	135, 255, 203
Decimal	12320647
CIELab	93.38, -41.07, 50.40
CIELCh	93, 65.013, 129.172
Yxy	83.8341, 0.3361, 0.4648
Android (android.graphics.Color)	4290510727 (0xFFBBFF87)
YUV	220.9880, -42.3921, -29.8075
Hunter-Lab	91.5610, -42.0498, 40.8387

Details

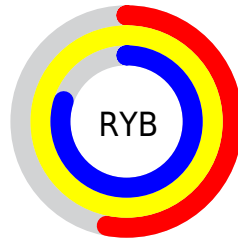
The Yxy color **83.8341, 0.3361, 0.4648** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.2536, 0.2736, 0.1985**, and the grayscale version is **72.5946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6502, 0.3446, 0.3944**, and **45.8227, 0.3375, 0.4976** is the 20% darker color. If you saturate the color by 10%, you get **81.4634, 0.3384, 0.4951**, and if you desaturate by 10%, it is **86.5525, 0.3324, 0.4336**.

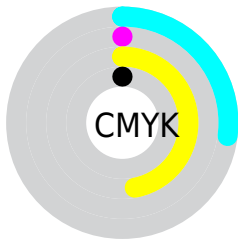
Distribution



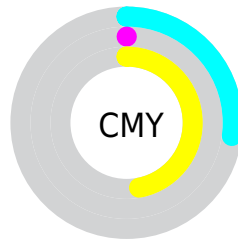
- Red (73%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (80%)



- Cyan (27%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8341, 0.3361, 0.4648 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 83.8341, 0.3361, 0.4648 by changing the saturation by 10% instead.


 83.8341, 0.3361,
0.4648


 83.8341, 0.3361,
0.4648


507.7622, 0.3286,
0.4004

 62.8785, 0.3369,
0.4795

 138.7431, 0.3342,
0.4424

 45.7429, 0.3373,
0.4976


 173.4652, 0.3333,
0.4337

 32.0430, 0.3369,
0.5202


 213.5450, 0.3324,
0.4262

 21.3943, 0.3351,
0.5491

259.3668, 0.3315,
0.4197

 13.4126, 0.3299,
0.5865

311.3150, 0.3307,
0.4140

 7.7132, 0.3194,
0.6392


369.7741, 0.3300,


 3.9120, 0.2928,


0.4089


0.7072


435.1283, 0.3293,
0.4044


 1.6245, 0.1996,
0.8004


 0.3740, 0.0000,
1.0000


 83.8341, 0.3361,
0.4648


 83.8341, 0.3361,
0.4648

 81.4634, 0.3384,
0.4951


 86.5525, 0.3324,
0.4336


 79.4344, 0.3388,
0.5229

 89.6468, 0.3277,
0.4029

 77.7233, 0.3372,
0.5464

 93.1284, 0.3224,
0.3738

 76.3074, 0.3336,
0.5644

 97.0116, 0.3167,
0.3467

■ 75.1593, 0.3283,
0.5761

100.0000, 0.3127,
0.3290

■ 74.8618, 0.3266,
0.5789

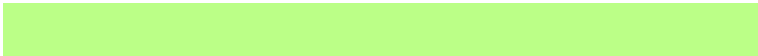
Harmonies

Analogous

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



83.8341, 0.4038, 0.4542



83.8341, 0.3361, 0.4648



83.8341, 0.2658, 0.4230

Triad

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



83.8341, 0.3361, 0.4648



83.8341, 0.1886, 0.2307



83.8341, 0.4207, 0.3019

Complementary

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



83.8341, 0.3361, 0.4648



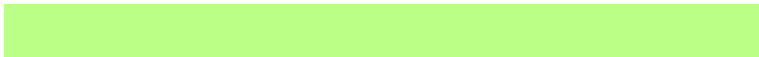
37.2536, 0.2736, 0.1985

Split Complementary

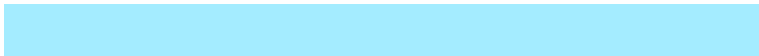
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8341, 0.3499, 0.2559



83.8341, 0.3361, 0.4648



83.8341, 0.2188, 0.2157

Square

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



83.8341, 0.3361, 0.4648



83.8341, 0.1858, 0.2745



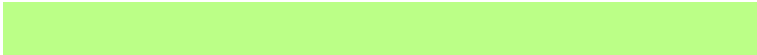
83.8341, 0.2752, 0.2254



83.8341, 0.4587, 0.3558

Rectangle

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



83.8341, 0.3361, 0.4648



83.8341, 0.2271, 0.3729



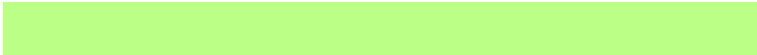
83.8341, 0.2752, 0.2254



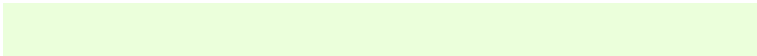
83.8341, 0.3995, 0.2853

Sweetspot

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



83.8301, 0.3361, 0.4648



94.2713, 0.3207, 0.3653



65.7236, 0.4064, 0.3989



20.0043, 0.3219, 0.3712



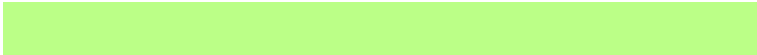
0.0000, 0.0000, 0.0000



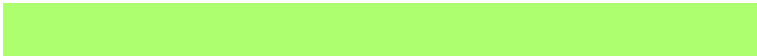
21.4041, 0.3127, 0.3290

Same Dimension

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



83.8301, 0.3361, 0.4648



81.6968, 0.3382, 0.4920



78.6552, 0.3021, 0.4686



20.5527, 0.3181, 0.3531



39.2012, 0.3278, 0.5779



3.8800, 0.3366, 0.5709

Inverse Universe

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



37.2536, 0.2736, 0.1985



30.2119, 0.2636, 0.1735



45.3063, 0.3250, 0.2208



17.8860, 0.3068, 0.3051



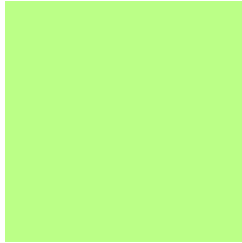
6.9883, 0.2158, 0.0962



0.7450, 0.2272, 0.1025

Previews

White Background



This preview shows how the Yxy color 83.8341, 0.3361, 0.4648 looks on a white background.

Color Contrast Check

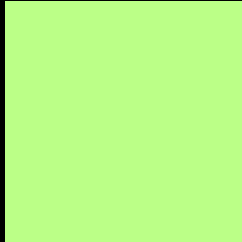
Large Text (above 18pt) WCAG AA × Fail

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 83.8341, 0.3361, 0.4648 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 83.8341, 0.3361, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 83.8341, 0.3361, 0.4648.

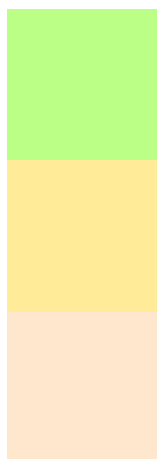


This preview shows how white text looks on a background with the Yxy color 83.8341, 0.3361, 0.4648.

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

83.8341, 0.3361, 0.4648

Protanopia

82.9437, 0.3807, 0.4122

Deuteranopia

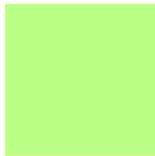
82.8681, 0.3460, 0.3542



Tritanopia

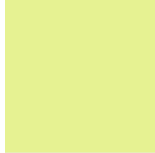
83.5372, 0.2864, 0.3133

Trichromacy



Original Color

83.8341, 0.3361, 0.4648



Protanomaly

82.4026, 0.3635, 0.4305



Deuteranomaly

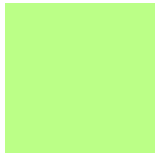
82.4385, 0.3434, 0.3930



Tritanomaly

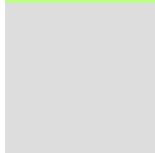
82.7045, 0.3059, 0.3664

Monochromacy



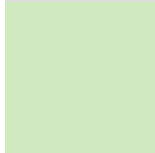
Original Color

83.8341, 0.3361, 0.4648



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.5508, 0.3234, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8341, 0.3361, 0.4648 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(187, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 135)  
}
```

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(187, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 83.8341, 0.3361, 0.4648 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(187, 255, 135) }
```

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

```
.border{ border-color:rgb(187, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8341, 0.3361, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 135) }
```

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

```
.background{ background-color: rgb(187,  
255, 135) }
```

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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