

Converting Colors

Yxy(83.0446, 0.3343, 0.4703)

Have a look what the booklet for
Yxy(83.0446, 0.3343, 0.4703)
contains.

Yxy(82.9825, 0.3342, 0.4707)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.9825, 0.3342, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	B5FF83
RGB	181, 255, 131
RGB Percent	71%, 100%, 51%
CMY	0.2901, 0.0000, 0.4861
CMYK	0.29, 0.00, 0.49, 0.00
HSL	96°, 100%, 76%
HSV	96°, 49%, 100%
XYZ	58.9181, 82.9825, 34.3953
YIQ	218.7380, -4.3000, -54.2520

Conversions

Conversions Part 2

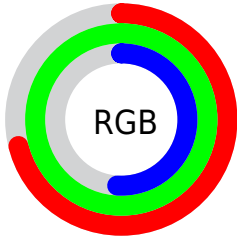
Format	Color
RYB	131, 255, 205
Decimal	11927427
CIELab	93.01, -43.53, 51.73
CIELCh	93, 67.612, 130.080
Yxy	82.9825, 0.3342, 0.4707
Android (android.graphics.Color)	4290117507 (0xFFB5FF83)
YUV	218.7380, -43.2548, -33.0962
Hunter-Lab	91.0947, -43.9658, 41.3797

Details

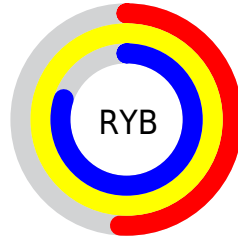
The Yxy color **82.9825, 0.3342, 0.4707** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.4425, 0.2750, 0.1952**, and the grayscale version is **70.9617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4159, 0.3430, 0.3994**, and **45.2982, 0.3348, 0.5050** is the 20% darker color. If you saturate the color by 10%, you get **80.6367, 0.3358, 0.5012**, and if you desaturate by 10%, it is **85.7062, 0.3312, 0.4391**.

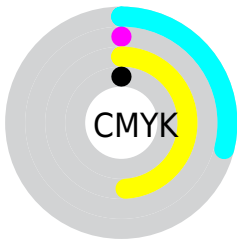
Distribution



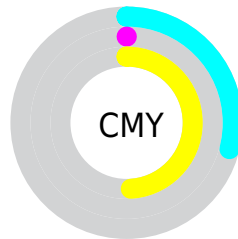
- Red (71%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (80%)



- Cyan (29%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9825, 0.3342, 0.4707 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 82.9825, 0.3342, 0.4707 by changing the saturation by 10% instead.


 82.9825, 0.3342,
0.4707


 82.9825, 0.3342,
0.4707


504.9282, 0.3278,
0.4033


 62.1757, 0.3346,
0.4862


 137.5510, 0.3328,
0.4472

 45.1747, 0.3346,
0.5052


 172.0814, 0.3320,
0.4380

 31.5951, 0.3336,
0.5290


 211.9552, 0.3312,
0.4302

 21.0524, 0.3307,
0.5593

257.5567, 0.3305,
0.4234

 13.1623, 0.3240,
0.5986

309.2704, 0.3298,
0.4174

 7.5404, 0.3122,
0.6563


367.4806, 0.3291,


 3.8023, 0.2789,


0.4121


0.7211

432.5717, 0.3284,
0.4074


 1.5636, 0.1636,
0.8364


 0.3329, 0.0000,
1.0000


 82.9825, 0.3342,
0.4707


 82.9825, 0.3342,
0.4707


 80.6367, 0.3358,
0.5012


 85.7062, 0.3312,
0.4391


 78.6395, 0.3356,
0.5289

 88.8152, 0.3271,
0.4080

 76.9729, 0.3334,
0.5521

 92.3290, 0.3223,
0.3783

 75.6128, 0.3294,
0.5693

 96.2631, 0.3172,
0.3508

■ 74.5270, 0.3239,
0.5803

100.0000, 0.3127,
0.3290

■ 74.3932, 0.3232,
0.5816

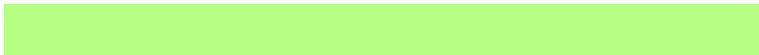
Harmonies

Analogous

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



82.9825, 0.4050, 0.4600



82.9825, 0.3342, 0.4707



82.9825, 0.2615, 0.4255

Triad

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



82.9825, 0.3342, 0.4707



82.9825, 0.1847, 0.2259



82.9825, 0.4273, 0.3021

Complementary

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



82.9825, 0.3342, 0.4707



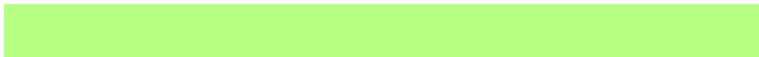
36.4425, 0.2750, 0.1952

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.



82.9825, 0.3538, 0.2544



82.9825, 0.3342, 0.4707



82.9825, 0.2166, 0.2115

Square

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



82.9825, 0.3342, 0.4707



82.9825, 0.1808, 0.2700



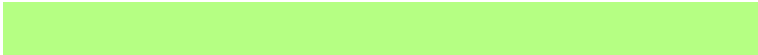
82.9825, 0.2757, 0.2223



82.9825, 0.4653, 0.3579

Rectangle

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



82.9825, 0.3342, 0.4707



82.9825, 0.2220, 0.3722



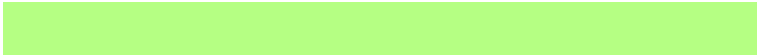
82.9825, 0.2757, 0.2223



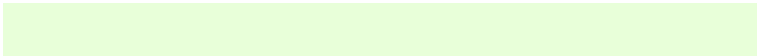
82.9825, 0.4053, 0.2849

Sweetspot

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



82.9859, 0.3342, 0.4707



93.7017, 0.3205, 0.3681



65.7757, 0.4091, 0.4030



19.8832, 0.3216, 0.3740



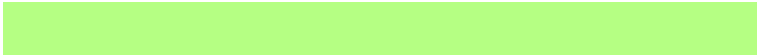
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9859, 0.3342, 0.4707



80.7707, 0.3357, 0.4994



78.2819, 0.3009, 0.4714



20.5256, 0.3177, 0.3531



38.9535, 0.3243, 0.5807



3.8544, 0.3331, 0.5737

Inverse Universe

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



36.4425, 0.2750, 0.1952



29.4066, 0.2651, 0.1698



44.0740, 0.3273, 0.2192



17.9137, 0.3073, 0.3051



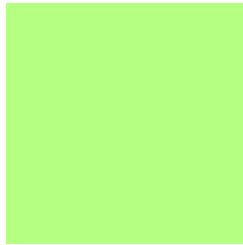
7.3588, 0.2222, 0.0998



0.7802, 0.2332, 0.1058

Previews

White Background



This preview shows how the Yxy color 82.9825, 0.3342, 0.4707 looks on a white background.

Color Contrast Check

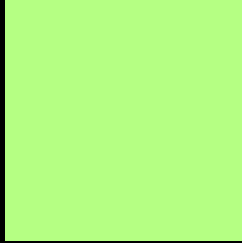
Large Text (above 18pt) WCAG AA × Fail

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 82.9825, 0.3342, 0.4707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

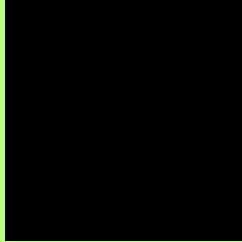
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9825, 0.3342, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 82.9825, 0.3342, 0.4707.

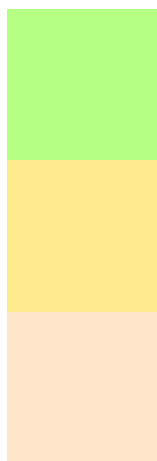


This preview shows how white text looks on a background with the Yxy color 82.9825, 0.3342, 0.4707.

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

82.9825, 0.3342, 0.4707

Protanopia

82.0888, 0.3867, 0.4198

Deuteranopia

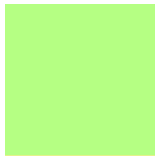
82.1654, 0.3483, 0.3563



Tritanopia

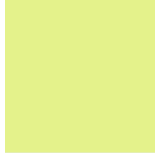
82.3629, 0.2840, 0.3122

Trichromacy



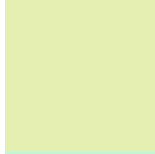
Original Color

82.9825, 0.3342, 0.4707



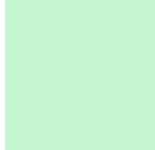
Protanomaly

81.8623, 0.3660, 0.4380



Deuteranomaly

81.4013, 0.3441, 0.3956



Tritanomaly

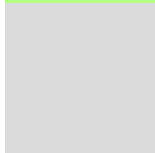
81.9637, 0.3033, 0.3679

Monochromacy



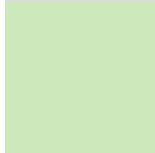
Original Color

82.9825, 0.3342, 0.4707



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2802, 0.3226, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9825, 0.3342, 0.4707 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(181, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 131)  
}
```

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(181, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 131) }
```

Border

The CSS property to change the border of an element to Yxy 82.9825, 0.3342, 0.4707 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(181, 255, 131) }
```

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

```
.border{ border-color:rgb(181, 255, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9825, 0.3342, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 131) }
```

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

```
.background{ background-color: rgb(181,  
255, 131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor