

Converting Colors

Yxy(83.4307, 0.3255, 0.4520)

Have a look what the booklet for
Yxy(83.4307, 0.3255, 0.4520)
contains.

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Color

Yxy(83.4819, 0.3259, 0.4522)

Conversions

Conversions Part 1

Format	Color
Hex	B5FF94
RGB	181, 255, 148
RGB Percent	71%, 100%, 58%
CMY	0.2901, 0.0000, 0.4195
CMYK	0.29, 0.00, 0.42, 0.00
HSL	101°, 100%, 79%
HSV	101°, 42%, 100%
XYZ	60.1653, 83.4819, 40.9656
YIQ	220.6760, -9.7570, -48.9650

Conversions

Conversions Part 2

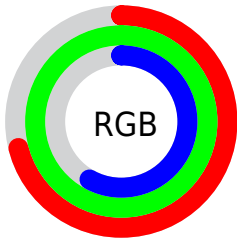
Format	Color
RYB	148, 255, 222
Decimal	11927444
CIELab	93.23, -41.49, 43.94
CIELCh	93, 60.427, 133.357
Yxy	83.4819, 0.3259, 0.4522
Android (android.graphics.Color)	4290117524 (0xFFB5FF94)
YUV	220.6760, -35.8293, -34.7959
Hunter-Lab	91.3684, -42.3541, 37.3749

Details

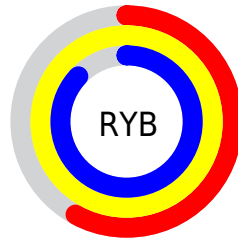
The Yxy color **83.4819, 0.3259, 0.4522** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.9348, 0.2899, 0.2168**, and the grayscale version is **72.3331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1825, 0.3330, 0.3818**, and **45.5744, 0.3258, 0.4833** is the 20% darker color. If you saturate the color by 10%, you get **80.7651, 0.3272, 0.4849**, and if you desaturate by 10%, it is **86.6518, 0.3236, 0.4197**.

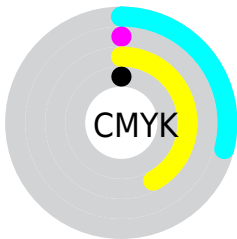
Distribution



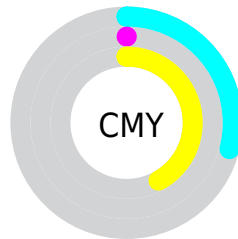
- Red (71%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4819, 0.3259, 0.4522 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 83.4819, 0.3259, 0.4522 by changing the saturation by 10% instead.

 83.4819, 0.3259,
0.4522


 83.4819, 0.3259,
0.4522


506.5912, 0.3224,
0.3935

 62.5878, 0.3260,
0.4658


 138.2502, 0.3252,
0.4316

 45.5078, 0.3257,
0.4827


 172.8932, 0.3248,
0.4237

 31.8576, 0.3248,
0.5040


212.8879, 0.3244,
0.4168

 21.2528, 0.3224,
0.5315

258.6187, 0.3239,
0.4109

 13.3089, 0.3173,
0.5683

310.4700, 0.3235,
0.4057

 7.6416, 0.3060,
0.6184


368.8263, 0.3231,


 3.8665, 0.2900,


0.4012


0.7100


434.0719, 0.3227,
0.3971


 1.5992, 0.1915,
0.8085


 0.3570, 0.0000,
1.0000


 83.4819, 0.3259,
0.4522


 83.4819, 0.3259,
0.4522


 80.7651, 0.3272,
0.4849


 86.6518, 0.3236,
0.4197


 78.4715, 0.3271,
0.5161

 90.2869, 0.3206,
0.3887

 76.5798, 0.3255,
0.5438

 94.4089, 0.3171,
0.3599

 75.0634, 0.3223,
0.5660

 99.0356, 0.3134,
0.3338

■ 73.8916, 0.3178,
0.5814

100.0000, 0.3127,
0.3290

■ 73.1677, 0.3137,
0.5891

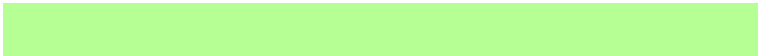
Harmonies

Analogous

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



83.4819, 0.3907, 0.4499



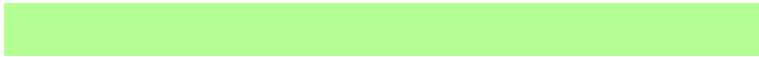
83.4819, 0.3259, 0.4522



83.4819, 0.2610, 0.4071

Triad

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



83.4819, 0.3259, 0.4522



83.4819, 0.1983, 0.2335



83.4819, 0.4205, 0.3108

Complementary

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



83.4819, 0.3259, 0.4522



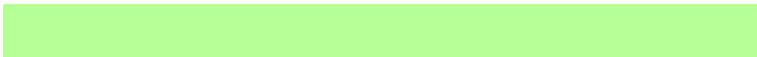
43.9348, 0.2899, 0.2168

Split Complementary

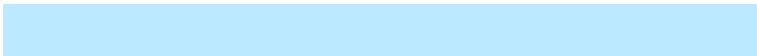
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.4819, 0.3577, 0.2657



83.4819, 0.3259, 0.4522



83.4819, 0.2307, 0.2223

Square

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



83.4819, 0.3259, 0.4522



83.4819, 0.1921, 0.2712



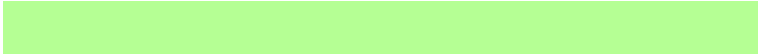
83.4819, 0.2870, 0.2344



83.4819, 0.4503, 0.3625

Rectangle

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



83.4819, 0.3259, 0.4522



83.4819, 0.2265, 0.3595



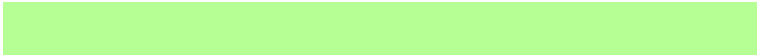
83.4819, 0.2870, 0.2344



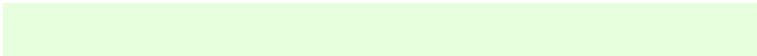
83.4819, 0.4022, 0.2947

Sweetspot

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



83.4846, 0.3259, 0.4522



93.9543, 0.3175, 0.3628



75.1761, 0.3889, 0.4034



19.9087, 0.3183, 0.3690



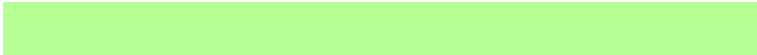
0.0000, 0.0000, 0.0000



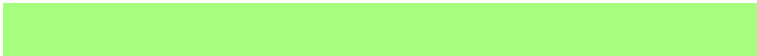
21.4041, 0.3127, 0.3290

Same Dimension

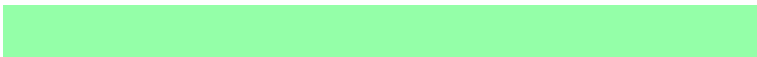
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4846, 0.3259, 0.4522



81.2623, 0.3270, 0.4786



80.6310, 0.2971, 0.4354



20.4398, 0.3162, 0.3532



38.3004, 0.3147, 0.5883



3.7839, 0.3230, 0.5817

Inverse Universe

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



43.9348, 0.2899, 0.2168



37.0770, 0.2839, 0.1952



48.4658, 0.3343, 0.2422



18.0028, 0.3088, 0.3052



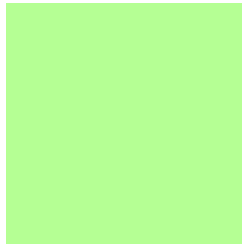
8.6988, 0.2441, 0.1118



0.9047, 0.2530, 0.1167

Previews

White Background



This preview shows how the Yxy color 83.4819, 0.3259, 0.4522 looks on a white background.

Color Contrast Check

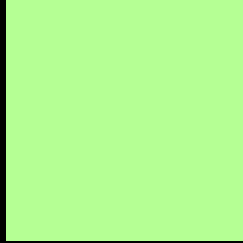
Large Text (above 18pt) WCAG AA × Fail

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 83.4819, 0.3259, 0.4522 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

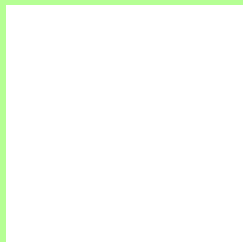
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4819, 0.3259, 0.4522

Background



This preview shows how black text looks on a background with the Yxy color 83.4819, 0.3259, 0.4522.

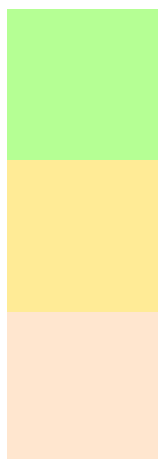


This preview shows how white text looks on a background with the Yxy color 83.4819, 0.3259, 0.4522.

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

83.4819, 0.3259, 0.4522

Protanopia

82.8787, 0.3820, 0.4141

Deuteranopia

82.3586, 0.3456, 0.3522



Tritanopia

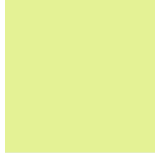
83.0955, 0.2846, 0.3133

Trichromacy



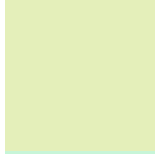
Original Color

83.4819, 0.3259, 0.4522



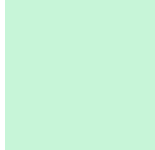
Protanomaly

82.1682, 0.3603, 0.4280



Deuteranomaly

81.7722, 0.3384, 0.3858



Tritanomaly

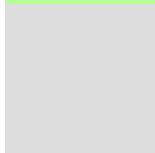
82.4048, 0.3005, 0.3610

Monochromacy



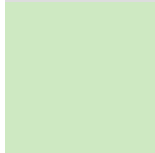
Original Color

83.4819, 0.3259, 0.4522



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.2947, 0.3188, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4819, 0.3259, 0.4522 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 148) }
```

Border

The CSS property to change the border of an element to Yxy 83.4819, 0.3259, 0.4522 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, 148) }
```

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

```
.border{ border-color:rgb(181, 255, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 255, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 255, 148); box-shadow:4px 4px 4px 4px rgb(181, 255, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4819, 0.3259, 0.4522 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, 148) }
```

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

```
.background{ background-color: rgb(181,  
255, 148) }
```

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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