

Converting Colors

$Y_{xy}(165.0903, 0.3146, 0.5135)$

Have a look what the booklet for
Yxy(165.0903, 0.3146, 0.5135)
contains.

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Color

Yxy(83.5458, 0.3249, 0.4500)

Conversions

Conversions Part 1

Format	Color
Hex	B5FF96
RGB	181, 255, 150
RGB Percent	71%, 100%, 59%
CMY	0.2902, 0.0000, 0.4118
CMYK	0.29, 0.00, 0.41, 0.00
HSL	102°, 100%, 79%
HSV	102°, 41%, 100%
XYZ	60.3201, 83.5458, 41.7915
YIQ	220.9040, -10.3990, -48.3430

Conversions

Conversions Part 2

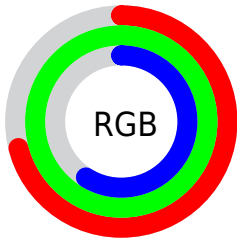
Format	Color
RYB	150, 255, 224
Decimal	11927446
CIELab	93.25, -41.24, 43.02
CIELCh	93, 59.593, 133.788
Yxy	83.5458, 0.3249, 0.4500
Android (android.graphics.Color)	4290117526 (0xFFB5FF96)
YUV	220.9040, -34.9557, -34.9958
Hunter-Lab	91.4034, -42.1580, 36.8738

Details

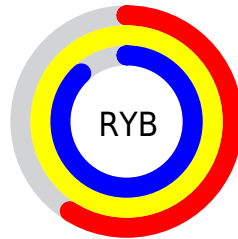
The Yxy color **83.5458, 0.3249, 0.4500** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.8702, 0.2916, 0.2192**, and the grayscale version is **72.4893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2785, 0.3318, 0.3797**, and **45.6112, 0.3246, 0.4806** is the 20% darker color. If you saturate the color by 10%, you get **80.7777, 0.3261, 0.4829**, and if you desaturate by 10%, it is **86.7721, 0.3227, 0.4174**.

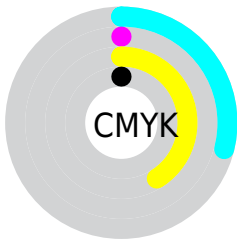
Distribution



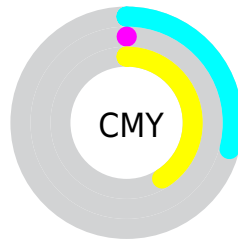
- Red (71%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (88%)



- Cyan (29%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5458, 0.3249, 0.4500 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 83.5458, 0.3249, 0.4500 by changing the saturation by 10% instead.

 83.5458, 0.3249,
0.4500


 83.5458, 0.3249,
0.4500

506.8037, 0.3217,
0.3923

 62.6405, 0.3249,
0.4634


 138.3396, 0.3243,
0.4298

 45.5504, 0.3246,
0.4799

 172.9970, 0.3240,
0.4220

 31.8912, 0.3237,
0.5009


213.0071, 0.3236,
0.4153

 21.2784, 0.3213,
0.5281

258.7545, 0.3232,
0.4095

 13.3277, 0.3163,
0.5644

310.6234, 0.3228,
0.4044

 7.6546, 0.3054,
0.6143


368.9983, 0.3224,


 3.8747, 0.2913,


0.3999


0.7087

434.2636, 0.3221,
0.3959


 1.6037, 0.1947,
0.8053


 0.3601, 0.0000,
1.0000


 83.5458, 0.3249,
0.4500


 83.5458, 0.3249,
0.4500


 80.7777, 0.3261,
0.4829


 86.7721, 0.3227,
0.4174


 78.4464, 0.3260,
0.5145

 90.4783, 0.3199,
0.3864

 76.5272, 0.3244,
0.5427

 94.6834, 0.3166,
0.3578

 74.9929, 0.3213,
0.5654

 99.4058, 0.3131,
0.3319

■ 73.8124, 0.3169,
0.5814

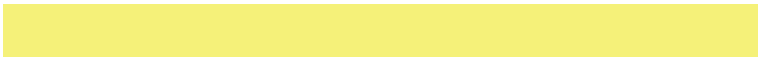
100.0000, 0.3127,
0.3290

■ 73.0290, 0.3126,
0.5900

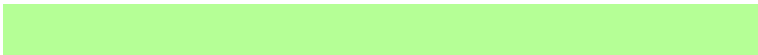
Harmonies

Analogous

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



83.5458, 0.3890, 0.4486



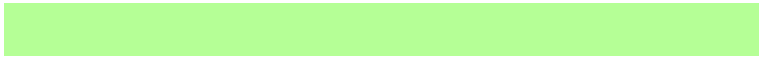
83.5458, 0.3249, 0.4500



83.5458, 0.2609, 0.4050

Triad

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



83.5458, 0.3249, 0.4500



83.5458, 0.2000, 0.2344



83.5458, 0.4197, 0.3119

Complementary

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



83.5458, 0.3249, 0.4500



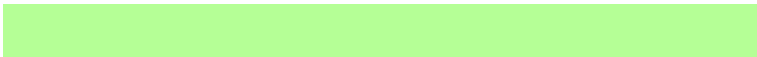
44.8702, 0.2916, 0.2192

Split Complementary

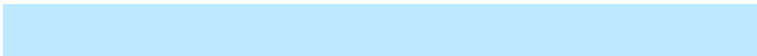
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5458, 0.3581, 0.2671



83.5458, 0.3249, 0.4500



83.5458, 0.2324, 0.2236

Square

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



83.5458, 0.3249, 0.4500



83.5458, 0.1935, 0.2714



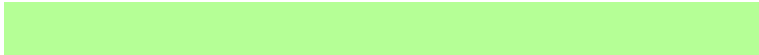
83.5458, 0.2883, 0.2358



83.5458, 0.4486, 0.3631

Rectangle

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



83.5458, 0.3249, 0.4500



83.5458, 0.2270, 0.3581



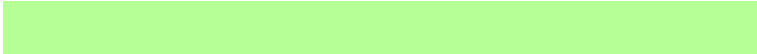
83.5458, 0.2883, 0.2358



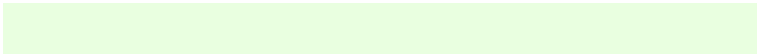
83.5458, 0.4018, 0.2959

Sweetspot

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



83.5455, 0.3249, 0.4500



94.3212, 0.3169, 0.3600



76.5012, 0.3866, 0.4037



20.0660, 0.3173, 0.3637



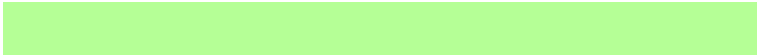
0.0000, 0.0000, 0.0000



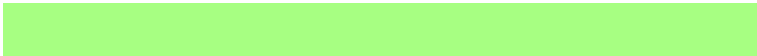
21.4041, 0.3127, 0.3290

Same Dimension

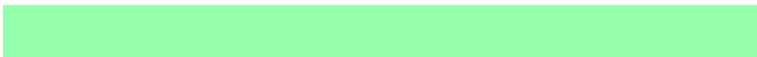
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5455, 0.3249, 0.4500



81.3442, 0.3259, 0.4758



80.9419, 0.2964, 0.4309



20.4281, 0.3160, 0.3533



38.2258, 0.3136, 0.5892



3.7754, 0.3218, 0.5827

Inverse Universe

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



44.8702, 0.2916, 0.2192



38.1179, 0.2861, 0.1984



49.0068, 0.3354, 0.2453



18.0152, 0.3090, 0.3052



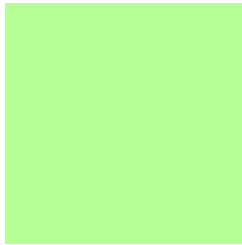
8.9032, 0.2472, 0.1135



0.9234, 0.2558, 0.1183

Previews

White Background



This preview shows how the Yxy color 83.5458, 0.3249, 0.4500 looks on a white background.

Color Contrast Check

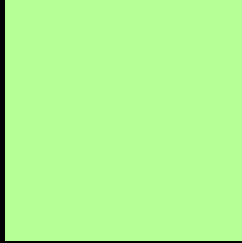
Large Text (above 18pt) WCAG AA × Fail

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 83.5458, 0.3249, 0.4500 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

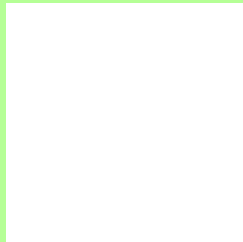
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5458, 0.3249, 0.4500

Background



This preview shows how black text looks on a background with the Yxy color 83.5458, 0.3249, 0.4500.

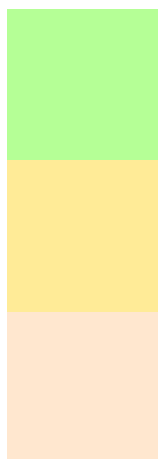


This preview shows how white text looks on a background with the Yxy color 83.5458, 0.3249, 0.4500.

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

83.5458, 0.3249, 0.4500

Protanopia

82.9110, 0.3813, 0.4131

Deuteranopia

82.9168, 0.3454, 0.3532



Tritanopia

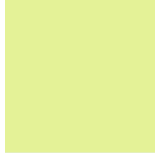
83.0955, 0.2846, 0.3133

Trichromacy



Original Color

83.5458, 0.3249, 0.4500



Protanomaly

82.2326, 0.3591, 0.4259



Deuteranomaly

82.3593, 0.3382, 0.3868



Tritanomaly

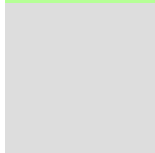
82.4567, 0.3000, 0.3599

Monochromacy



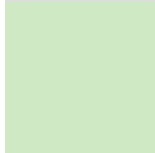
Original Color

83.5458, 0.3249, 0.4500



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3398, 0.3181, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5458, 0.3249, 0.4500 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 83.5458, 0.3249, 0.4500 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, 150) }
```

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

```
.border{ border-color:rgb(181, 255, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5458, 0.3249, 0.4500 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, 150) }
```

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

```
.background{ background-color: rgb(181,  
255, 150) }
```

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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