

Converting Colors

$Yxy(83.6009, 0.3256, 0.4506)$

Have a look what the booklet for
Yxy(83.6009, 0.3256, 0.4506)
contains.

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Color

Yxy(83.6350, 0.3260, 0.4509)

Conversions

Conversions Part 1

Format	Color
Hex	B6FF95
RGB	182, 255, 149
RGB Percent	71%, 100%, 58%
CMY	0.2864, 0.0000, 0.4158
CMYK	0.29, 0.00, 0.42, 0.00
HSL	101°, 100%, 79%
HSV	101°, 42%, 100%
XYZ	60.4680, 83.6350, 41.3816
YIQ	221.0890, -9.4820, -48.4420

Conversions

Conversions Part 2

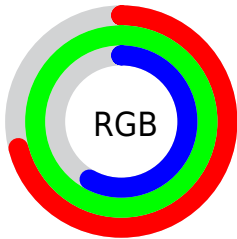
Format	Color
RYB	149, 255, 222
Decimal	11992981
CIELab	93.29, -41.05, 43.56
CIElCh	93, 59.861, 133.302
Yxy	83.6350, 0.3260, 0.4509
Android (android.graphics.Color)	4290183061 (0xFFB6FF95)
YUV	221.0890, -35.5399, -34.2811
Hunter-Lab	91.4522, -42.0175, 37.1881

Details

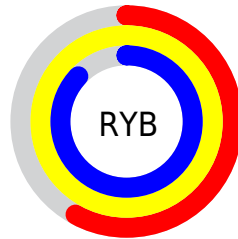
The Yxy color **83.6350, 0.3260, 0.4509** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.2426, 0.2900, 0.2177**, and the grayscale version is **72.6207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4049, 0.3330, 0.3807**, and **45.6683, 0.3259, 0.4816** is the 20% darker color. If you saturate the color by 10%, you get **80.8966, 0.3273, 0.4836**, and if you desaturate by 10%, it is **86.8094, 0.3236, 0.4184**.

Distribution



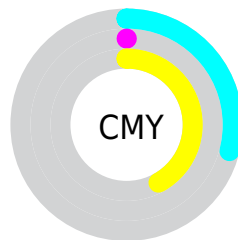
- Red (71%)
- Green (100%)
- Blue (58%)



- 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 83.6350, 0.3260, 0.4509 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 83.6350, 0.3260, 0.4509 by changing the saturation by 10% instead.


 83.6350, 0.3260,
0.4509


 83.6350, 0.3260,
0.4509


507.1004, 0.3224,
0.3928

 62.7141, 0.3261,
0.4644


 138.4645, 0.3253,
0.4306

 45.6100, 0.3259,
0.4810


 173.1419, 0.3248,
0.4227

 31.9382, 0.3251,
0.5020


213.1736, 0.3244,
0.4159

 21.3143, 0.3229,
0.5293

258.9440, 0.3240,
0.4101

 13.3539, 0.3179,
0.5657

310.8375, 0.3235,
0.4050

 7.6727, 0.3071,
0.6153

369.2384, 0.3231,

 3.8862, 0.2924,

0.4004

0.7076

434.5313, 0.3227,
0.3964

■ 1.6101, 0.1975,
0.8025

■ 0.3644, 0.0000,
1.0000

■ 83.6350, 0.3260,
0.4509

■ 83.6350, 0.3260,
0.4509

■ 80.8966, 0.3273,
0.4836

■ 86.8094, 0.3236,
0.4184

■ 78.5884, 0.3273,
0.5149

■ 90.4559, 0.3206,
0.3875

■ 76.6815, 0.3258,
0.5427

■ 94.5878, 0.3170,
0.3588

■ 75.1495, 0.3227,
0.5651

■ 99.2229, 0.3133,
0.3328

■ 73.9620, 0.3182,
0.5807

100.0000, 0.3127,
0.3290

■ 73.1960, 0.3139,
0.5890

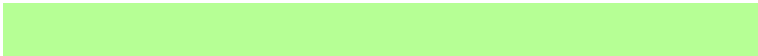
Harmonies

Analogous

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



83.6350, 0.3902, 0.4487



83.6350, 0.3260, 0.4509



83.6350, 0.2617, 0.4063

Triad

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



83.6350, 0.3260, 0.4509



83.6350, 0.1993, 0.2344



83.6350, 0.4194, 0.3110

Complementary

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



83.6350, 0.3260, 0.4509



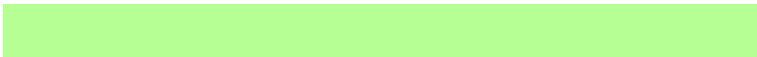
44.2426, 0.2900, 0.2177

Split Complementary

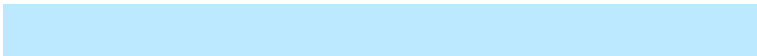
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6350, 0.3571, 0.2662



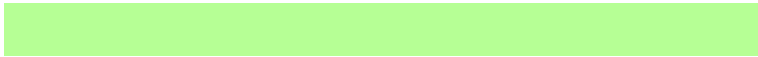
83.6350, 0.3260, 0.4509



83.6350, 0.2314, 0.2232

Square

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



83.6350, 0.3260, 0.4509



83.6350, 0.1932, 0.2719



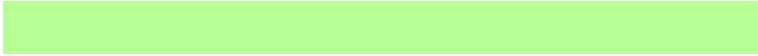
83.6350, 0.2871, 0.2351



83.6350, 0.4490, 0.3623

Rectangle

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



83.6350, 0.3260, 0.4509



83.6350, 0.2274, 0.3594



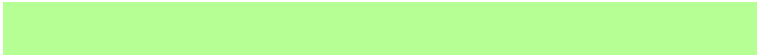
83.6350, 0.2871, 0.2351



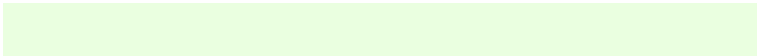
83.6350, 0.4012, 0.2950

Sweetspot

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



83.6297, 0.3260, 0.4509



94.4022, 0.3172, 0.3600



75.3686, 0.3881, 0.4027



20.0850, 0.3177, 0.3636



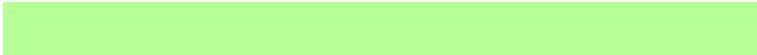
0.0000, 0.0000, 0.0000



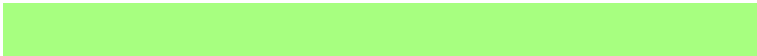
21.4041, 0.3127, 0.3290

Same Dimension

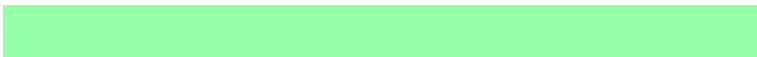
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6297, 0.3260, 0.4509



81.2983, 0.3272, 0.4785



80.7508, 0.2972, 0.4343



20.4422, 0.3163, 0.3532



38.3156, 0.3149, 0.5881



3.7856, 0.3233, 0.5815

Inverse Universe

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



44.2426, 0.2900, 0.2177



37.0268, 0.2836, 0.1951



48.7803, 0.3341, 0.2430



18.0003, 0.3088, 0.3052



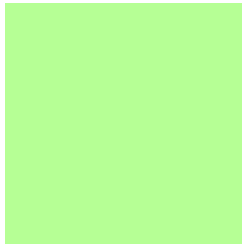
8.6588, 0.2434, 0.1115



0.9010, 0.2524, 0.1164

Previews

White Background



This preview shows how the Yxy color 83.6350, 0.3260, 0.4509 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 83.6350, 0.3260, 0.4509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

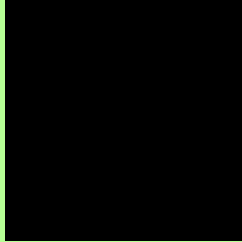
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6350, 0.3260, 0.4509

Background



This preview shows how black text looks on a background with the Yxy color 83.6350, 0.3260, 0.4509.

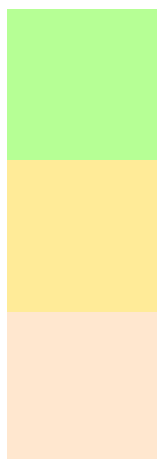


This preview shows how white text looks on a background with the Yxy color 83.6350, 0.3260, 0.4509.

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

83.6350, 0.3260, 0.4509

Protanopia

82.9437, 0.3807, 0.4122

Deuteranopia

82.9168, 0.3454, 0.3532



Tritanopia

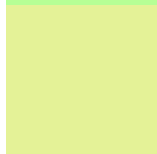
83.0955, 0.2846, 0.3133

Trichromacy



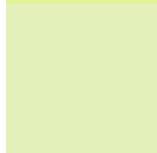
Original Color

83.6350, 0.3260, 0.4509



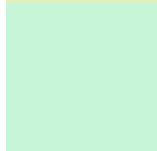
Protanomaly

82.2326, 0.3591, 0.4259



Deuteranomaly

82.3593, 0.3382, 0.3868



Tritanomaly

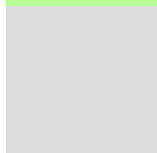
82.4048, 0.3005, 0.3610

Monochromacy



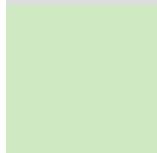
Original Color

83.6350, 0.3260, 0.4509



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4834, 0.3188, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6350, 0.3260, 0.4509 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(182, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 149)  
}
```

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(182, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 83.6350, 0.3260, 0.4509 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(182, 255, 149) }
```

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

```
.border{ border-color:rgb(182, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6350, 0.3260, 0.4509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 149) }
```

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

```
.background{ background-color: rgb(182,  
255, 149) }
```

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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