

# Converting Colors

$Yxy(83.4664, 0.3305, 0.4597)$

Have a look what the booklet for  
Yxy(83.4664, 0.3305, 0.4597)  
contains.

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# Color

**Yxy(83.5104, 0.3306, 0.4595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7FF8D
RGB	183, 255, 141
RGB Percent	72%, 100%, 55%
CMY	0.2826, 0.0000, 0.4471
CMYK	0.28, 0.00, 0.45, 0.00
HSL	98°, 100%, 78%
HSV	98°, 45%, 100%
XYZ	60.0839, 83.5104, 38.1476
YIQ	220.4760, -6.3180, -50.7180

# Conversions

## Conversions Part 2

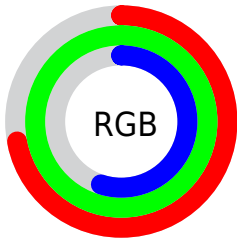
Format	Color
<a href="#">RYB</a>	<a href="#">141, 255, 213</a>
Decimal	<a href="#">12058509</a>
CIELab	<a href="#">93.24, -41.73, 47.35</a>
CIELCh	<a href="#">93, 63.114, 131.394</a>
Yxy	<a href="#">83.5104, 0.3306, 0.4595</a>
Android (android.graphics.Color)	<a href="#">4290248589</a> ( <a href="#">0xFFB7FF8D</a> )
YUV	<a href="#">220.4760, -39.1817, -32.8665</a>
Hunter-Lab	<a href="#">91.3840, -42.5605, 39.2186</a>

# Details

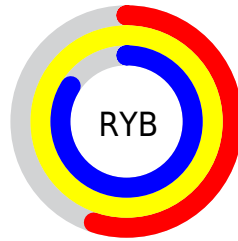
The Yxy color **83.5104, 0.3306, 0.4595** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.4225, 0.2823, 0.2073**, and the grayscale version is **72.1870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2063, 0.3384, 0.3888**, and **45.6048, 0.3312, 0.4918** is the 20% darker color. If you saturate the color by 10%, you get **80.9646, 0.3323, 0.4911**, and if you desaturate by 10%, it is **86.4407, 0.3277, 0.4275**.

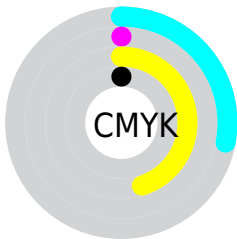
# Distribution



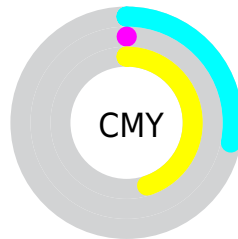
- Red (72%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5104, 0.3306, 0.4595 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 83.5104, 0.3306, 0.4595 by changing the saturation by 10% instead.





 83.5104, 0.3306,  
0.4595


 83.5104, 0.3306,  
0.4595


506.6860, 0.3253,  
0.3974

 62.6113, 0.3310,  
0.4738


 138.2901, 0.3294,  
0.4378

 45.5268, 0.3310,  
0.4915


 172.9395, 0.3288,  
0.4294

 31.8726, 0.3303,  
0.5137


212.9411, 0.3281,  
0.4222

 21.2642, 0.3280,  
0.5423

258.6792, 0.3275,  
0.4159

 13.3173, 0.3227,  
0.5799

310.5384, 0.3269,  
0.4104

 7.6474, 0.3111,  
0.6314

368.9030, 0.3263,


 3.8702, 0.2889,


0.4056


0.7111


434.1574, 0.3258,  
0.4013


 1.6012, 0.1894,  
0.8106


 0.3584, 0.0000,  
1.0000


 83.5104, 0.3306,  
0.4595


 83.5104, 0.3306,  
0.4595

 80.9646, 0.3323,  
0.4911


 86.4407, 0.3277,  
0.4275


 78.8083, 0.3324,  
0.5207

 89.7986, 0.3239,  
0.3965

 77.0117, 0.3307,  
0.5463

 93.5928, 0.3195,  
0.3674

 75.5502, 0.3273,  
0.5663

 97.8394, 0.3149,  
0.3407

■ 74.3950, 0.3223,  
0.5797

100.0000, 0.3127,  
0.3290

■ 73.8897, 0.3193,  
0.5847

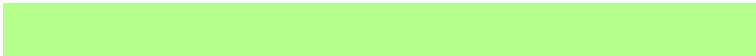
# Harmonies

## Analogous

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



83.5104, 0.3974, 0.4532



83.5104, 0.3306, 0.4595



83.5104, 0.2626, 0.4153

# Triad

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



83.5104, 0.3306, 0.4595



83.5104, 0.1928, 0.2313



83.5104, 0.4218, 0.3065

# Complementary

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



83.5104, 0.3306, 0.4595



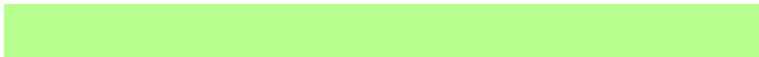
40.4225, 0.2823, 0.2073

# Split Complementary

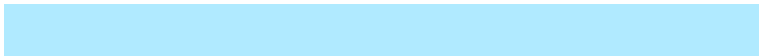
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5104, 0.3546, 0.2606



83.5104, 0.3306, 0.4595



83.5104, 0.2244, 0.2183

# Square

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



83.5104, 0.3306, 0.4595



83.5104, 0.1881, 0.2720



83.5104, 0.2813, 0.2294

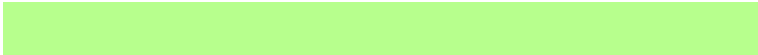


83.5104, 0.4557, 0.3596



# Rectangle

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



83.5104, 0.3306, 0.4595



83.5104, 0.2259, 0.3659



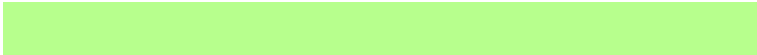
83.5104, 0.2813, 0.2294



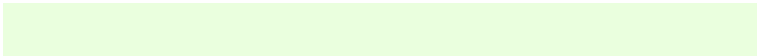
83.5104, 0.4019, 0.2900

# Sweetspot

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



83.5021, 0.3306, 0.4595



94.2860, 0.3187, 0.3627



69.9192, 0.3981, 0.4010



19.9900, 0.3197, 0.3688



0.0000, 0.0000, 0.0000

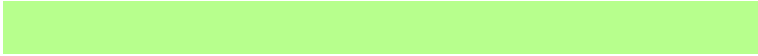


21.4041, 0.3127, 0.3290

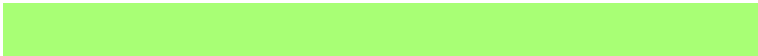


# Same Dimension

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



83.5021, 0.3306, 0.4595



81.1316, 0.3322, 0.4889



79.5250, 0.2999, 0.4534



20.4935, 0.3171, 0.3532



38.6862, 0.3205, 0.5838



3.8262, 0.3291, 0.5769



# Inverse Universe

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



40.4225, 0.2823, 0.2073



32.8984, 0.2736, 0.1821



46.7004, 0.3293, 0.2304



17.9468, 0.3079, 0.3051



7.8298, 0.2302, 0.1042

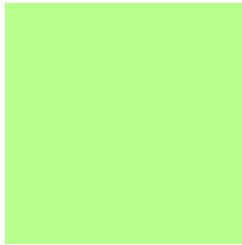


0.8244, 0.2405, 0.1098



# Previews

## White Background



This preview shows how the Yxy color 83.5104, 0.3306, 0.4595 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 83.5104, 0.3306, 0.4595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

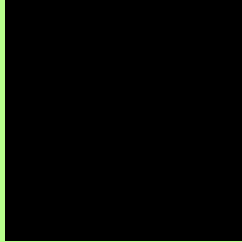
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

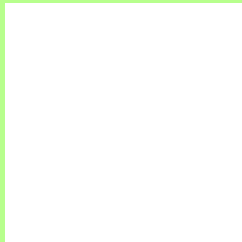
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5104, 0.3306, 0.4595**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5104, 0.3306, 0.4595.

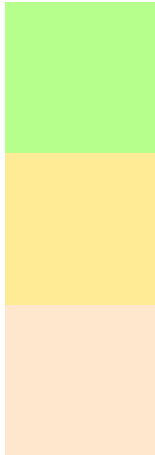


This preview shows how white text looks on a background with the Yxy color 83.5104, 0.3306, 0.4595.

# 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

83.5104, 0.3306, 0.4595

### Protanopia

82.8787, 0.3820, 0.4141

### Deuteranopia

82.8681, 0.3460, 0.3542



## Tritanopia

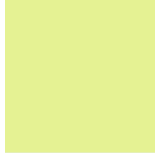
83.2418, 0.2852, 0.3133

# Trichromacy



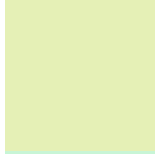
## Original Color

83.5104, 0.3306, 0.4595



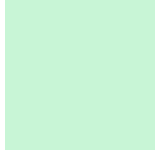
## Protanomaly

82.2689, 0.3622, 0.4298



## Deuteranomaly

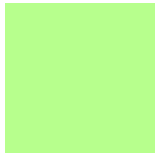
82.3556, 0.3414, 0.3910



## Tritanomaly

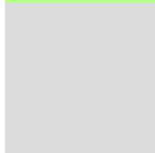
82.4392, 0.3023, 0.3632

# Monochromacy



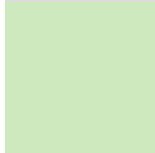
## Original Color

83.5104, 0.3306, 0.4595



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.3048, 0.3213, 0.3765

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5104, 0.3306, 0.4595 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(183, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 141)  
}
```

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(183, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5104, 0.3306, 0.4595 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(183, 255, 141) }
```

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

```
.border{ border-color:rgb(183, 255, 141) }
```

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

Here you see how a box with a 4 pixel rgb(183, 255, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5104, 0.3306, 0.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 141) }
```

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

```
.background{ background-color: rgb(183,  
255, 141) }
```

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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