

# Converting Colors

$Yxy(83.3557, 0.3263, 0.4541)$

Have a look what the booklet for  
Yxy(83.3557, 0.3263, 0.4541)  
contains.

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# Color

**Yxy(83.2986, 0.3263, 0.4547)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4FF92
RGB	180, 255, 146
RGB Percent	71%, 100%, 57%
CMY	0.2940, 0.0000, 0.4275
CMYK	0.29, 0.00, 0.43, 0.00
HSL	101°, 100%, 79%
HSV	101°, 43%, 100%
XYZ	59.7764, 83.2986, 40.1196
YIQ	220.1490, -9.7110, -49.7990

# Conversions

## Conversions Part 2

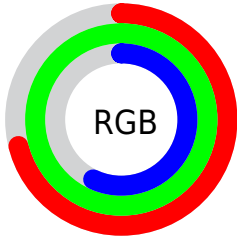
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 255, 221
Decimal	11861906
CIELab	93.15, -42.07, 44.80
CIElCh	93, 61.454, 133.199
Yxy	83.2986, 0.3263, 0.4547
Android (android.graphics.Color)	4290051986 (0xFFB4FF92)
YUV	220.1490, -36.5555, -35.2107
Hunter-Lab	91.2681, -42.8098, 37.8249

# Details

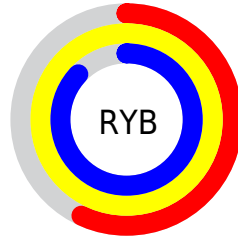
The Yxy color **83.2986, 0.3263, 0.4547** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.1430, 0.2890, 0.2145**, and the grayscale version is **71.9515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9142, 0.3335, 0.3840**, and **45.4636, 0.3261, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **80.6212, 0.3275, 0.4873**, and if you desaturate by 10%, it is **86.4264, 0.3240, 0.4222**.

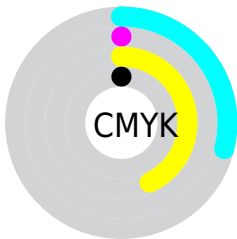
# Distribution



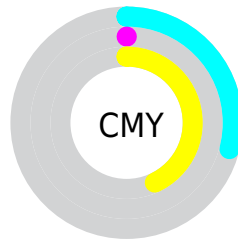
- Red (71%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (29%)
- Magenta (0%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.2986, 0.3263, 0.4547 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 83.2986, 0.3263, 0.4547 by changing the saturation by 10% instead.





 83.2986, 0.3263,  
0.4547


 83.2986, 0.3263,  
0.4547


505.9811, 0.3227,  
0.3947

 62.4365, 0.3264,  
0.4686


 137.9936, 0.3256,  
0.4337

 45.3855, 0.3261,  
0.4858


 172.5953, 0.3252,  
0.4256

 31.7612, 0.3250,  
0.5075


212.5457, 0.3248,  
0.4186

 21.1792, 0.3225,  
0.5356

258.2291, 0.3243,  
0.4125

 13.2550, 0.3170,  
0.5730

310.0299, 0.3239,  
0.4073

 7.6044, 0.3052,  
0.6239


368.3326, 0.3235,


 3.8429, 0.2868,


0.4026


0.7132

433.5216, 0.3231,  
0.3985


 1.5861, 0.1834,  
0.8166


 0.3482, 0.0000,  
1.0000


 83.2986, 0.3263,  
0.4547


 83.2986, 0.3263,  
0.4547


 80.6212, 0.3275,  
0.4873


 86.4264, 0.3240,  
0.4222

 78.3618, 0.3274,  
0.5183

 90.0141, 0.3210,  
0.3910

 76.4999, 0.3256,  
0.5455

 94.0842, 0.3175,  
0.3621

 75.0090, 0.3223,  
0.5672

 98.6545, 0.3138,  
0.3357

■ 73.8581, 0.3177,  
0.5820

99.9994, 0.3127,  
0.3290

■ 73.2087, 0.3140,  
0.5889

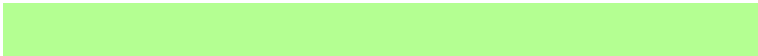
# Harmonies

## Analogous

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



83.2986, 0.3921, 0.4518



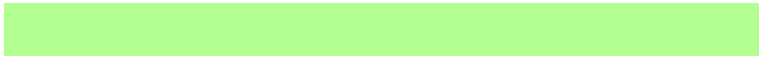
83.2986, 0.3263, 0.4547



83.2986, 0.2603, 0.4089

# Triad

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



83.2986, 0.3263, 0.4547



83.2986, 0.1965, 0.2321



83.2986, 0.4222, 0.3102

# Complementary

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



83.2986, 0.3263, 0.4547



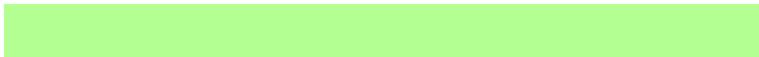
43.1430, 0.2890, 0.2145

# Split Complementary

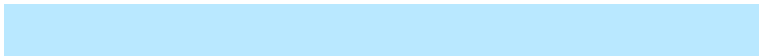
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2986, 0.3580, 0.2645



83.2986, 0.3263, 0.4547



83.2986, 0.2291, 0.2207

# Square

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



83.2986, 0.3263, 0.4547



83.2986, 0.1903, 0.2704



83.2986, 0.2861, 0.2328

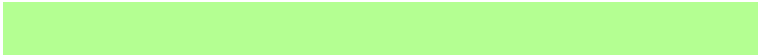


83.2986, 0.4527, 0.3625



# Rectangle

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



83.2986, 0.3263, 0.4547



83.2986, 0.2253, 0.3604



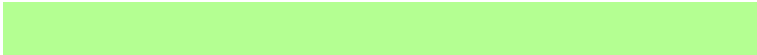
83.2986, 0.2861, 0.2328



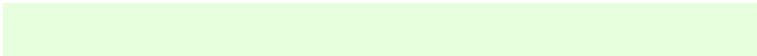
83.2986, 0.4034, 0.2938

# Sweetspot

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



83.3022, 0.3263, 0.4547



93.9755, 0.3176, 0.3628



74.7748, 0.3905, 0.4047



19.9139, 0.3184, 0.3690



0.0000, 0.0000, 0.0000

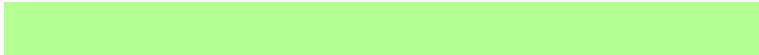


21.4041, 0.3127, 0.3290

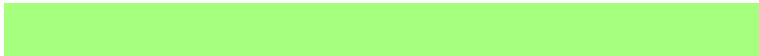


# Same Dimension

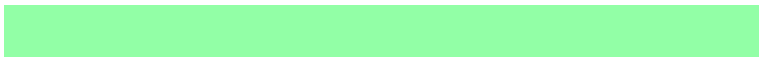
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3022, 0.3263, 0.4547



81.0590, 0.3274, 0.4817



80.3826, 0.2968, 0.4378



20.4432, 0.3163, 0.3532



38.3228, 0.3151, 0.5880



3.7864, 0.3234, 0.5814



# Inverse Universe

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



43.1430, 0.2890, 0.2145



36.2294, 0.2827, 0.1925



47.8159, 0.3348, 0.2407



17.9992, 0.3088, 0.3052



8.6402, 0.2431, 0.1113

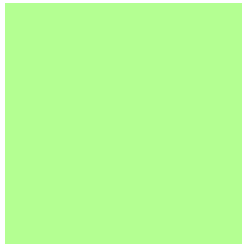


0.8993, 0.2522, 0.1163



# Previews

## White Background



This preview shows how the Yxy color 83.2986, 0.3263, 0.4547 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

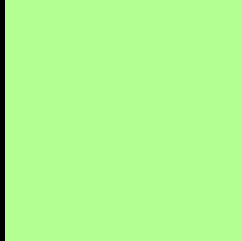
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.2986, 0.3263, 0.4547 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

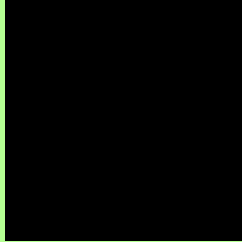
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.2986, 0.3263, 0.4547**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.2986, 0.3263, 0.4547.

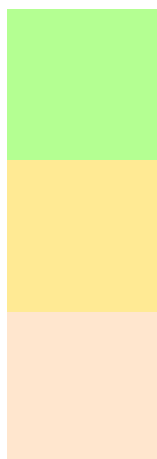


This preview shows how white text looks on a background with the Yxy color 83.2986, 0.3263, 0.4547.

# 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

83.2986, 0.3263, 0.4547

### Protanopia

82.2438, 0.3836, 0.4151

### Deuteranopia

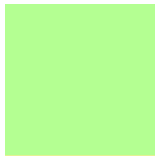
82.3099, 0.3462, 0.3532



## Tritanopia

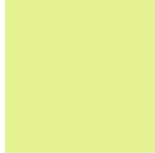
82.9501, 0.2840, 0.3132

# Trichromacy



## Original Color

83.2986, 0.3263, 0.4547



## Protanomaly

82.1048, 0.3615, 0.4300



## Deuteranomaly

81.6877, 0.3397, 0.3880



## Tritanomaly

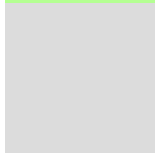
82.2169, 0.3005, 0.3622

# Monochromacy



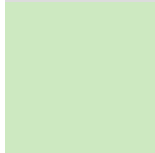
## Original Color

83.2986, 0.3263, 0.4547



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

75.1072, 0.3187, 0.3744

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.2986, 0.3263, 0.4547 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(180, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 146)  
}
```

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(180, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 83.2986, 0.3263, 0.4547 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(180, 255, 146) }
```

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

```
.border{ border-color:rgb(180, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.2986, 0.3263, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 146) }
```

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

```
.background{ background-color: rgb(180,  
255, 146) }
```

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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