

# Converting Colors

$Yxy(82.9670, 0.3534, 0.4475)$

Have a look what the booklet for  
Yxy(82.9670, 0.3534, 0.4475)  
contains.

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# Color

**Yxy(83.1450, 0.3534, 0.4474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F88B
RGB	213, 248, 139
RGB Percent	84%, 97%, 55%
CMY	0.1646, 0.0275, 0.4548
CMYK	0.14, 0.00, 0.44, 0.03
HSL	79°, 89%, 76%
HSV	79°, 44%, 97%
XYZ	65.6760, 83.1450, 37.0194
YIQ	225.1090, 14.1290, -41.3190

# Conversions

## Conversions Part 2

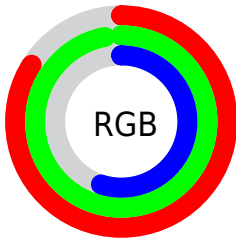
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 248, 174
Decimal	14022795
CIELab	93.08, -28.13, 48.48
CIElCh	93, 56.044, 120.122
Yxy	83.1450, 0.3534, 0.4474
Android (android.graphics.Color)	4292212875 (0xFFD5F88B)
YUV	225.1090, -42.4517, -10.6196
Hunter-Lab	91.1839, -31.0056, 39.7578

# Details

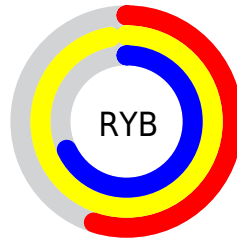
The Yxy color **83.1450, 0.3534, 0.4474** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.2448, 0.2552, 0.2003**, and the grayscale version is **75.6880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6750, 0.3490, 0.3890**, and **45.5393, 0.3596, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **81.3429, 0.3603, 0.4741**, and if you desaturate by 10%, it is **85.1773, 0.3451, 0.4195**.

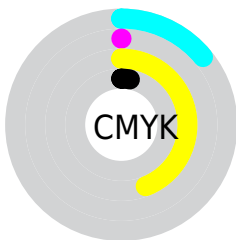
# Distribution



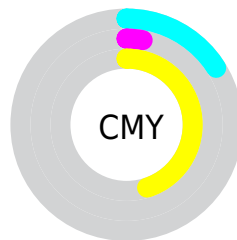
- Red (84%)
- Green (97%)
- Blue (55%)



- Red (55%)
- Yellow (97%)
- Blue (68%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (3%)




- Cyan (16%)
- Magenta (3%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1450, 0.3534, 0.4474 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 83.1450, 0.3534, 0.4474 by changing the saturation by 10% instead.




 83.1450, 0.3534,  
0.4474

 83.1450, 0.3534,  
0.4474


505.4696, 0.3373,  
0.3922

 62.3098, 0.3562,  
0.4598


 137.7785, 0.3485,  
0.4284

 45.2831, 0.3593,  
0.4749


 172.3456, 0.3463,  
0.4209

 31.6804, 0.3624,  
0.4937


 212.2588, 0.3444,  
0.4145

 21.1175, 0.3652,  
0.5174

257.9024, 0.3427,  
0.4089

 13.2099, 0.3664,  
0.5477

309.6609, 0.3412,  
0.4039

 7.5733, 0.3648,  
0.5888


367.9187, 0.3398,


 3.8231, 0.3546,


0.3996


0.6454


433.0602, 0.3385,  
0.3957


 1.5751, 0.3045,  
0.6955

 0.3407, 0.0000,  
1.0000


 83.1450, 0.3534,  
0.4474


 83.1450, 0.3534,  
0.4474


 81.3429, 0.3603,  
0.4741


 85.1773, 0.3451,  
0.4195


 79.7477, 0.3652,  
0.4983

 87.4398, 0.3359,  
0.3916


 78.3498, 0.3677,  
0.5188


 89.9463, 0.3262,  
0.3644


 77.1336, 0.3677,  
0.5347

 92.7062, 0.3165,  
0.3387

 76.0802, 0.3652,  
0.5455

 95.2014, 0.3116,  
0.3223

 75.5050, 0.3629,  
0.5501

 95.6131, 0.3130,  
0.3223

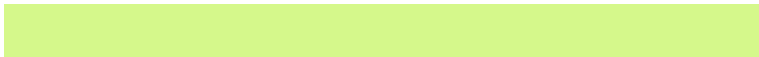
# Harmonies

## Analogous

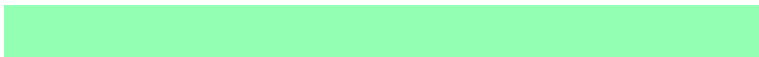
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1450, 0.4082, 0.4298



83.1450, 0.3534, 0.4474



83.1450, 0.2906, 0.4242

# Triad

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



83.1450, 0.3534, 0.4474



83.1450, 0.1997, 0.2525



83.1450, 0.3897, 0.2925

# Complementary

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



83.1450, 0.3534, 0.4474



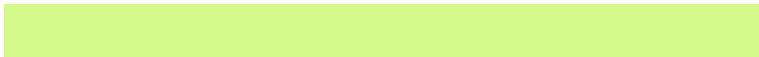
34.2448, 0.2552, 0.2003

# 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.



83.1450, 0.3252, 0.2547



83.1450, 0.3534, 0.4474



83.1450, 0.2196, 0.2308

# Square

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



83.1450, 0.3534, 0.4474



83.1450, 0.2053, 0.2994



83.1450, 0.2633, 0.2327

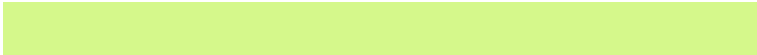


83.1450, 0.4331, 0.3395



# Rectangle

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



83.1450, 0.3534, 0.4474



83.1450, 0.2529, 0.3871



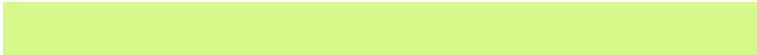
83.1450, 0.2633, 0.2327



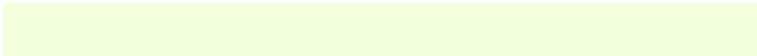
83.1450, 0.3693, 0.2785

# Sweetspot

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



83.1487, 0.3534, 0.4474



96.0842, 0.3253, 0.3620



51.9110, 0.4123, 0.3663



20.4335, 0.3275, 0.3679



0.0000, 0.0000, 0.0000

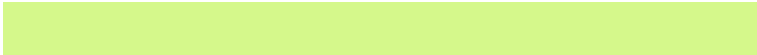


21.4041, 0.3127, 0.3290

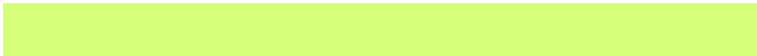


# Same Dimension

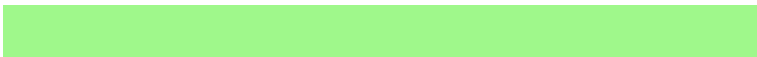
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1487, 0.3534, 0.4474



86.8157, 0.3597, 0.4718



76.3685, 0.3178, 0.4620



19.8953, 0.3219, 0.3528



40.8676, 0.3637, 0.5494



3.8420, 0.3705, 0.5440



# Inverse Universe

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



34.2448, 0.2552, 0.2003



28.4259, 0.2399, 0.1709



41.7449, 0.3003, 0.2155



16.9133, 0.3029, 0.3048



4.6388, 0.1727, 0.0725

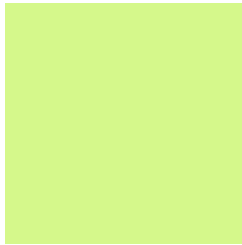


0.4840, 0.1854, 0.0795



# Previews

## White Background



This preview shows how the Yxy color 83.1450, 0.3534, 0.4474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

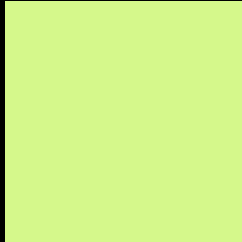
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.1450, 0.3534, 0.4474 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 83.1450, 0.3534, 0.4474**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1450, 0.3534, 0.4474.

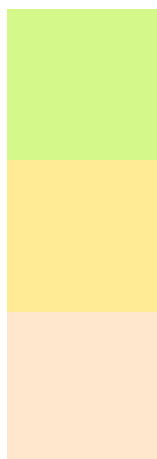


This preview shows how white text looks on a background with the Yxy color 83.1450, 0.3534, 0.4474.

# 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

83.1450, 0.3534, 0.4474

### Protanopia

82.8787, 0.3820, 0.4141

### Deuteranopia

82.8681, 0.3460, 0.3542



## Tritanopia

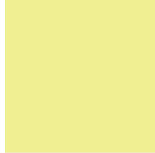
83.0025, 0.2973, 0.3106

# Trichromacy



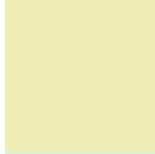
## Original Color

83.1450, 0.3534, 0.4474



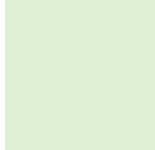
## Protanomaly

82.9208, 0.3715, 0.4261



## Deuteranomaly

82.4710, 0.3499, 0.3865



## Tritanomaly

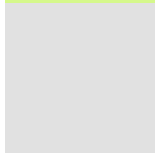
82.7616, 0.3186, 0.3589

# Monochromacy



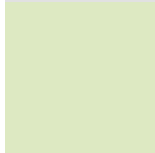
## Original Color

83.1450, 0.3534, 0.4474



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.5450, 0.3293, 0.3717

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1450, 0.3534, 0.4474 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(213, 248, 139)` looks like.

```
.text, #text, p{  
    color:rgb(213, 248, 139)  
}
```

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(213, 248, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 248, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1450, 0.3534, 0.4474 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(213, 248, 139) }
```

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

```
.border{ border-color:rgb(213, 248, 139) }
```

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

Here you see how a box with a 4 pixel rgb(213, 248, 139) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 248, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 248, 139);  
box-shadow:4px 4px 4px 4px rgb(213, 248,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1450, 0.3534, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 248, 139) }
```

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

```
.background{ background-color: rgb(213,  
248, 139) }
```

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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