

# Converting Colors

$Yxy(78.3500, 0.3518, 0.4285)$

Have a look what the booklet for  
Yxy(78.3500, 0.3518, 0.4285)  
contains.

<b>Yxy(78.3500, 0.3518, 0.4285)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(78.3500, 0.3518, 0.4285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7EF95
RGB	215, 239, 149
RGB Percent	84%, 94%, 58%
CMY	0.1567, 0.0628, 0.4156
CMYK	0.10, 0.00, 0.38, 0.06
HSL	76°, 74%, 76%
HSV	76°, 38%, 94%
XYZ	64.3256, 78.3500, 40.1715
YIQ	221.5640, 14.5860, -33.0780

# Conversions

## Conversions Part 2

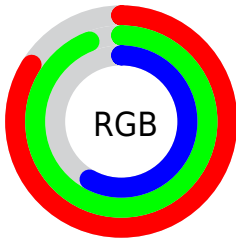
Format	Color
<a href="#">RYB</a>	<a href="#">149, 239, 173</a>
Decimal	<a href="#">14151573</a>
CIELab	<a href="#">90.94, -21.96, 40.93</a>
CIELCh	<a href="#">91, 46.452, 118.211</a>
Yxy	<a href="#">78.3500, 0.3518, 0.4285</a>
Android (android.graphics.Color)	<a href="#">4292341653</a> ( <a href="#">0xFFD7EF95</a> )
YUV	<a href="#">221.5640, -35.7741, -5.7566</a>
Hunter-Lab	<a href="#">88.5155, -25.1834, 35.0530</a>

# Details

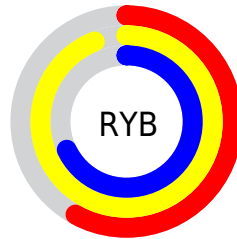
The Yxy color **78.3500, 0.3518, 0.4285** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.6116, 0.2614, 0.2198**, and the grayscale version is **72.9799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **42.1010, 0.3584, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **76.7220, 0.3606, 0.4552**, and if you desaturate by 10%, it is **80.1791, 0.3419, 0.4011**.

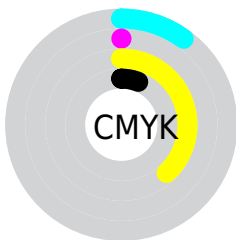
# Distribution



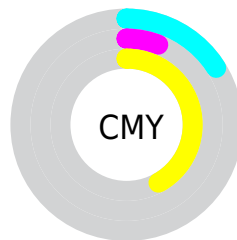
- Red (84%)
- Green (94%)
- Blue (58%)



- Red (58%)
- Yellow (94%)
- Blue (68%)



- Cyan (10%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)




- Cyan (16%)
- Magenta (6%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3500, 0.3518, 0.4285 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 78.3500, 0.3518, 0.4285 by changing the saturation by 10% instead.




 78.3500, 0.3518,  
0.4285


 78.3500, 0.3518,  
0.4285


489.3547, 0.3354,  
0.3818

 58.3615, 0.3550,  
0.4392


 131.0434, 0.3465,  
0.4123

 42.0994, 0.3586,  
0.4522


 164.5171, 0.3444,  
0.4060

 29.1791, 0.3627,  
0.4686


203.2547, 0.3424,  
0.4005

 19.2164, 0.3670,  
0.4897

247.6406, 0.3407,  
0.3958

 11.8267, 0.3711,  
0.5173

298.0591, 0.3392,  
0.3917

 6.6258, 0.3732,  
0.5542


354.8947, 0.3378,


 3.2292, 0.3785,


0.3880


0.6215


418.5318, 0.3366,  
0.3847


 1.2525, 0.3293,  
0.6707


 0.1040, 0.0000,  
1.0000


 78.3500, 0.3518,  
0.4285


 78.3500, 0.3518,  
0.4285


 76.7220, 0.3606,  
0.4552

 80.1791, 0.3419,  
0.4011


 75.2745, 0.3678,  
0.4801


 82.2080, 0.3314,  
0.3740

 73.9999, 0.3728,  
0.5019


 84.4488, 0.3208,  
0.3480

 72.8856, 0.3754,  
0.5197

 86.9096, 0.3103,  
0.3234

 71.9168, 0.3754,  
0.5327

 88.6968, 0.3081,  
0.3134

 71.0739, 0.3730,  
0.5410

 89.8723, 0.3123,  
0.3136

 70.8871, 0.3722,  
0.5426

 90.2096, 0.3134,  
0.3136

# Harmonies

## Analogous

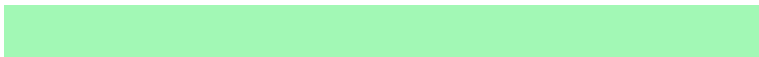
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3500, 0.3972, 0.4140



78.3500, 0.3518, 0.4285



78.3500, 0.2982, 0.4104

# Triad

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



78.3500, 0.3518, 0.4285



78.3500, 0.2149, 0.2663



78.3500, 0.3748, 0.2957

# Complementary

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



78.3500, 0.3518, 0.4285



36.6116, 0.2614, 0.2198

# Split Complementary

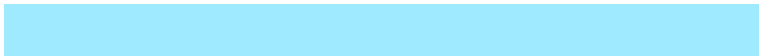
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3500, 0.3202, 0.2632



78.3500, 0.3518, 0.4285



78.3500, 0.2309, 0.2453

# Square

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



78.3500, 0.3518, 0.4285



78.3500, 0.2216, 0.3082



78.3500, 0.2679, 0.2451



78.3500, 0.4129, 0.3366



# Rectangle

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



78.3500, 0.3518, 0.4285



78.3500, 0.2651, 0.3809



78.3500, 0.2679, 0.2451



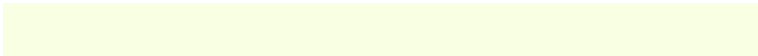
78.3500, 0.3574, 0.2836

# Sweetspot

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



78.3535, 0.3518, 0.4285



96.9346, 0.3244, 0.3566



49.8388, 0.3959, 0.3544



20.6717, 0.3258, 0.3602



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

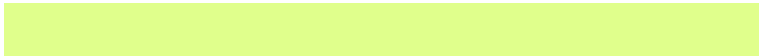


# Same Dimension

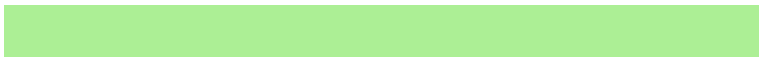
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3535, 0.3518, 0.4285



89.3409, 0.3585, 0.4487



72.6152, 0.3215, 0.4389



18.2351, 0.3227, 0.3526



39.2433, 0.3730, 0.5420



3.3129, 0.3793, 0.5370



# Inverse Universe

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



36.6116, 0.2614, 0.2198



34.6843, 0.2486, 0.1950



42.4063, 0.2975, 0.2303



15.4322, 0.3021, 0.3049



4.0937, 0.1663, 0.0690

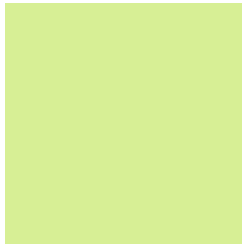


0.3875, 0.1795, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 78.3500, 0.3518, 0.4285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

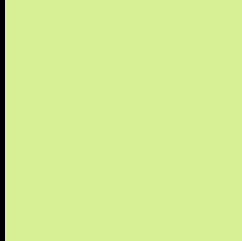
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3500, 0.3518, 0.4285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

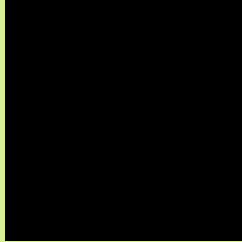
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3500, 0.3518, 0.4285**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3500, 0.3518, 0.4285.

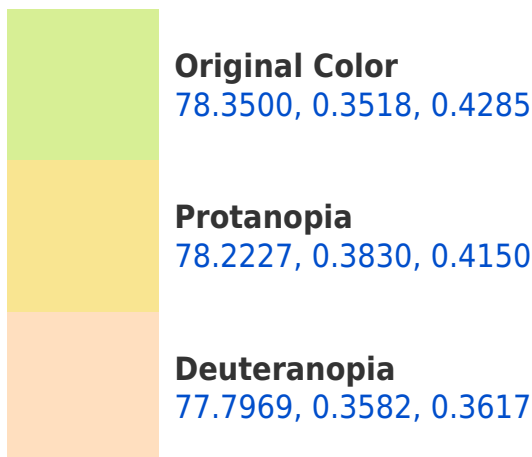


This preview shows how white text looks on a background with the Yxy color 78.3500, 0.3518, 0.4285.

# 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

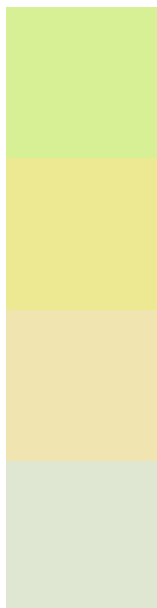




## Tritanopia

78.0247, 0.3021, 0.3103

# Trichromacy



## Original Color

78.3500, 0.3518, 0.4285

## Protanomaly

78.3577, 0.3718, 0.4206

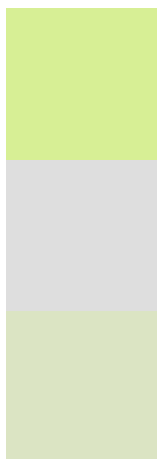
## Deuteranomaly

77.6985, 0.3558, 0.3851

## Tritanomaly

77.4929, 0.3206, 0.3517

# Monochromacy



## Original Color

78.3500, 0.3518, 0.4285

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

74.4870, 0.3278, 0.3655

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3500, 0.3518, 0.4285 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(215, 239, 149)` looks like.

```
.text, #text, p{  
    color:rgb(215, 239, 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(215, 239, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 239, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3500, 0.3518, 0.4285 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(215, 239, 149) }
```

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

```
.border{ border-color:rgb(215, 239, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 239, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 239, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 239, 149);  
box-shadow:4px 4px 4px 4px rgb(215, 239,  
149) }
```



# Background

The CSS property to change the background color of an element to `rgb(78.3500, 0.3518, 0.4285)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 239, 149) }
```

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

```
.background{ background-color: rgb(215,  
239, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor