

# Converting Colors

$Yxy(68.8538, 0.3532, 0.4347)$

Have a look what the booklet for  
Yxy(68.8538, 0.3532, 0.4347)  
contains.

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# **Color**

**Yxy(68.5878, 0.3529, 0.4343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E288
RGB	201, 226, 136
RGB Percent	79%, 89%, 53%
CMY	0.2117, 0.1137, 0.4665
CMYK	0.11, 0.00, 0.40, 0.11
HSL	77°, 61%, 71%
HSV	77°, 40%, 89%
XYZ	55.7325, 68.5878, 33.6069
YIQ	208.2650, 13.9900, -33.2900

# Conversions

## Conversions Part 2

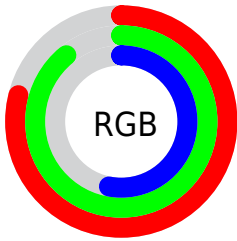
Format	Color
<a href="#">RYB</a>	<a href="#">136, 226, 161</a>
Decimal	<a href="#">13230728</a>
CIELab	<a href="#">86.30, -22.45, 41.22</a>
CIELCh	<a href="#">86, 46.934, 118.574</a>
Yxy	<a href="#">68.5878, 0.3529, 0.4343</a>
Android (android.graphics.Color)	<a href="#">4291420808 (0xFFC9E288)</a>
YUV	<a href="#">208.2650, -35.6266, -6.3714</a>
Hunter-Lab	<a href="#">82.8178, -24.8088, 33.9129</a>

# Details

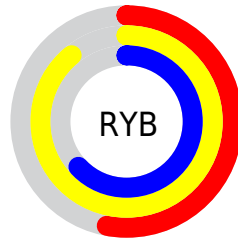
The Yxy color **68.5878, 0.3529, 0.4343** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **30.6893, 0.2589, 0.2134**, and the grayscale version is **63.4914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4977, 0.3514, 0.3929**, and **35.8769, 0.3604, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **67.1620, 0.3612, 0.4608**, and if you desaturate by 10%, it is **70.1907, 0.3434, 0.4069**.

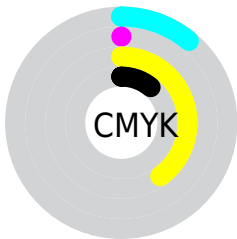
# Distribution



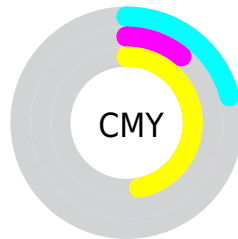
- Red (79%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (63%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (21%)
- Magenta (11%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5878, 0.3529, 0.4343 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 68.5878, 0.3529, 0.4343 by changing the saturation by 10% instead.





 68.5878, 0.3529,  
0.4343

 68.5878, 0.3529,  
0.4343


455.5758, 0.3358,  
0.3837


 50.3761, 0.3562,  
0.4461


 117.1926, 0.3474,  
0.4165

 35.7123, 0.3600,  
0.4608


 148.3546, 0.3451,  
0.4096

 24.2121, 0.3641,  
0.4794


 184.6020, 0.3431,  
0.4037

 15.4910, 0.3683,  
0.5034

226.3193, 0.3413,  
0.3986

 9.1647, 0.3714,  
0.5353

273.8910, 0.3397,  
0.3942

 4.8488, 0.3769,  
0.5881


327.7014, 0.3383,

 2.1588, 0.3593,


0.3903


0.6407


388.1348, 0.3370,  
0.3868


 0.6974, 0.1414,  
0.8586


 0.0000, 0.0000,  
0.0000


 68.5878, 0.3529,  
0.4343


 68.5878, 0.3529,  
0.4343


 67.1620, 0.3612,  
0.4608


 70.1907, 0.3434,  
0.4069


 65.8952, 0.3677,  
0.4853


 71.9699, 0.3333,  
0.3797

 64.7805, 0.3721,  
0.5066


 73.9360, 0.3228,  
0.3534


 63.8064, 0.3740,  
0.5237


 76.0961, 0.3125,  
0.3285


 62.9596, 0.3733,  
0.5360

 78.4571, 0.3025,  
0.3054

 62.2176, 0.3705,  
0.5439

 79.9069, 0.3030,  
0.2999

 62.2038, 0.3704,  
0.5441

 81.0165, 0.3072,  
0.3003

 82.1644, 0.3115,  
0.3007

 82.8727, 0.3140,  
0.3009

# Harmonies

## Analogous

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



68.5878, 0.4011, 0.4187



68.5878, 0.3529, 0.4343



68.5878, 0.2964, 0.4150

# Triad

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



68.5878, 0.3529, 0.4343



68.5878, 0.2101, 0.2623



68.5878, 0.3789, 0.2943

# Complementary

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



68.5878, 0.3529, 0.4343



30.6893, 0.2589, 0.2134

# 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.



68.5878, 0.3211, 0.2603



68.5878, 0.3529, 0.4343



68.5878, 0.2271, 0.2408

# Square

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



68.5878, 0.3529, 0.4343



68.5878, 0.2167, 0.3060



68.5878, 0.2660, 0.2411



68.5878, 0.4189, 0.3371



# Rectangle

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



68.5878, 0.3529, 0.4343



68.5878, 0.2618, 0.3834



68.5878, 0.2660, 0.2411



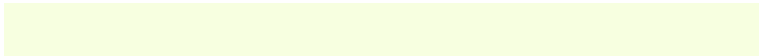
68.5878, 0.3606, 0.2817

# Sweetspot

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



68.5909, 0.3529, 0.4343



96.6072, 0.3252, 0.3593



43.0985, 0.4013, 0.3575



20.6037, 0.3266, 0.3627



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

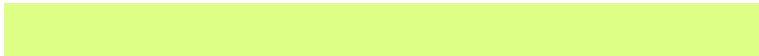


# Same Dimension

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



68.5909, 0.3529, 0.4343



88.5754, 0.3600, 0.4570



63.3423, 0.3207, 0.4460



15.8283, 0.3225, 0.3525



35.5495, 0.3712, 0.5435



2.5081, 0.3789, 0.5374



# Inverse Universe

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



30.6893, 0.2589, 0.2134



32.0571, 0.2443, 0.1855



36.0902, 0.2978, 0.2253



13.4266, 0.3024, 0.3051



3.7823, 0.1678, 0.0698

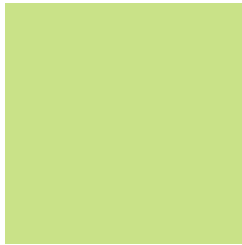


0.3062, 0.1840, 0.0787



# Previews

## White Background



This preview shows how the Yxy color 68.5878, 0.3529, 0.4343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

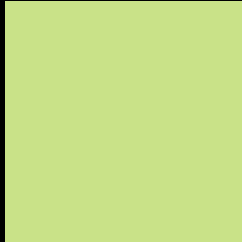
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5878, 0.3529, 0.4343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

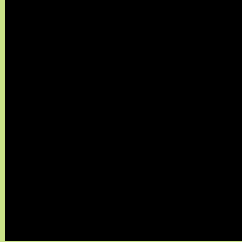
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5878, 0.3529, 0.4343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5878, 0.3529, 0.4343.



This preview shows how white text looks on a background with the Yxy color 68.5878, 0.3529, 0.4343.

# 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

68.5878, 0.3529, 0.4343

### Protanopia

68.4398, 0.3861, 0.4195

### Deuteranopia

68.1200, 0.3927, 0.3870



## Tritanopia

68.5732, 0.3001, 0.3103

# Trichromacy



## Original Color

68.5878, 0.3529, 0.4343

## Protanomaly

68.5678, 0.3741, 0.4257

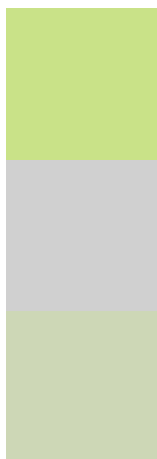
## Deuteranomaly

67.8306, 0.3774, 0.4031

## Tritanomaly

68.2496, 0.3202, 0.3542

# Monochromacy



## Original Color

68.5878, 0.3529, 0.4343

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

64.9574, 0.3279, 0.3678

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5878, 0.3529, 0.4343 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(201, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 136)  
}
```

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(201, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5878, 0.3529, 0.4343 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(201, 226, 136) }
```

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

```
.border{ border-color:rgb(201, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 226, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 226, 136); box-shadow:4px 4px 4px 4px rgb(201, 226, 136) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5878, 0.3529, 0.4343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 136) }
```

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

```
.background{ background-color: rgb(201,  
226, 136) }
```

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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