

# Converting Colors

$Yxy(67.9873, 0.3452, 0.4288)$

Have a look what the booklet for  
Yxy(67.9873, 0.3452, 0.4288)  
contains.

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# Color

**Yxy(68.0815, 0.3454, 0.4288)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4E28E
RGB	196, 226, 142
RGB Percent	77%, 89%, 56%
CMY	0.2315, 0.1137, 0.4430
CMYK	0.13, 0.00, 0.37, 0.11
HSL	81°, 59%, 72%
HSV	81°, 37%, 89%
XYZ	54.8399, 68.0815, 35.8508
YIQ	207.4540, 9.0840, -32.4840

# Conversions

## Conversions Part 2

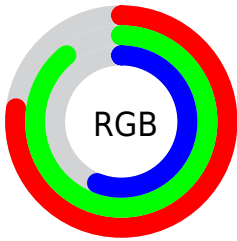
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 226, 172
Decimal	12903054
CIELab	86.05, -23.61, 37.84
CIELCh	86, 44.599, 121.959
Yxy	68.0815, 0.3454, 0.4288
Android (android.graphics.Color)	4291093134 (0xFFC4E28E)
YUV	207.4540, -32.2688, -10.0452
Hunter-Lab	82.5115, -25.7581, 31.9969

# Details

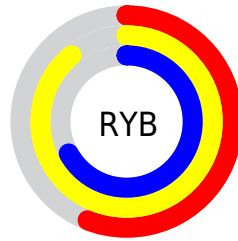
The Yxy color **68.0815, 0.3454, 0.4288** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.6228, 0.2689, 0.2236**, and the grayscale version is **62.9129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6220, 0.3465, 0.3861**, and **35.5267, 0.3512, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **66.4181, 0.3526, 0.4568**, and if you desaturate by 10%, it is **69.9470, 0.3371, 0.4005**.

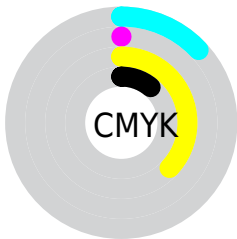
# Distribution



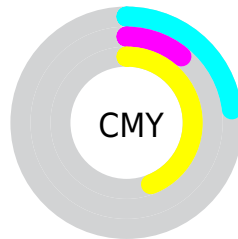
- Red (77%)
- Green (89%)
- Blue (56%)



- Red (56%)
- Yellow (89%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)




- Cyan (23%)
- Magenta (11%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0815, 0.3454, 0.4288 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 68.0815, 0.3454, 0.4288 by changing the saturation by 10% instead.




 68.0815, 0.3454,  
0.4288

 68.0815, 0.3454,  
0.4288


453.7847, 0.3316,  
0.3805

 49.9640, 0.3481,  
0.4402


 116.4687, 0.3410,  
0.4117

 35.3848, 0.3511,  
0.4544


 147.5073, 0.3391,  
0.4052

 23.9595, 0.3544,  
0.4726


183.6217, 0.3375,  
0.3995

 15.3036, 0.3576,  
0.4965

225.1963, 0.3361,  
0.3947

 9.0327, 0.3600,  
0.5287

272.6155, 0.3348,  
0.3905

 4.7625, 0.3616,  
0.5783

326.2637, 0.3336,

 2.1086, 0.3514,

0.3868

0.6486

386.5253, 0.3326,  
0.3835

0.6695, 0.0823,  
0.9177

0.0000, 0.0000,  
0.0000

68.0815, 0.3454,  
0.4288

68.0815, 0.3454,  
0.4288

66.4181, 0.3526,  
0.4568

69.9470, 0.3371,  
0.4005

64.9384, 0.3583,  
0.4834

72.0140, 0.3282,  
0.3729

63.6354, 0.3619,  
0.5073

74.2937, 0.3192,  
0.3467

62.4974, 0.3631,  
0.5272

76.7934, 0.3102,  
0.3223

■ 61.5111, 0.3619,  
0.5423

■ 79.5183, 0.3015,  
0.2998

■ 60.6595, 0.3583,  
0.5523

■ 80.9365, 0.3069,  
0.3003

■ 60.4345, 0.3571,  
0.5547

■ 82.4181, 0.3124,  
0.3008

■ 82.8786, 0.3140,  
0.3009

# Harmonies

## Analogous

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



68.0815, 0.3929, 0.4177



68.0815, 0.3454, 0.4288



68.0815, 0.2915, 0.4062

# Triad

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



68.0815, 0.3454, 0.4288



68.0815, 0.2151, 0.2620



68.0815, 0.3812, 0.3003

# Complementary

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



68.0815, 0.3454, 0.4288



33.6228, 0.2689, 0.2236

# Split Complementary

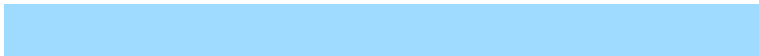
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.0815, 0.3273, 0.2663



68.0815, 0.3454, 0.4288



68.0815, 0.2340, 0.2437

# Square

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



68.0815, 0.3454, 0.4288



68.0815, 0.2190, 0.3017



68.0815, 0.2735, 0.2460



68.0815, 0.4163, 0.3420



# Rectangle

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



68.0815, 0.3454, 0.4288



68.0815, 0.2593, 0.3747



68.0815, 0.2735, 0.2460



68.0815, 0.3644, 0.2877

# Sweetspot

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



68.0845, 0.3454, 0.4288



96.4700, 0.3227, 0.3568



47.4090, 0.3904, 0.3636



20.5607, 0.3240, 0.3604



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

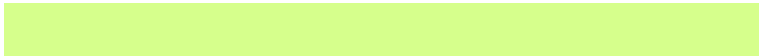


# Same Dimension

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



68.0845, 0.3454, 0.4288



87.7108, 0.3514, 0.4517



63.2837, 0.3157, 0.4388



15.7716, 0.3212, 0.3525



34.5432, 0.3580, 0.5539



2.4441, 0.3675, 0.5464



# Inverse Universe

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



33.6228, 0.2689, 0.2236



35.9083, 0.2566, 0.1978



39.0530, 0.3055, 0.2341



13.4806, 0.3036, 0.3052



4.1870, 0.1783, 0.0756



0.3394, 0.1955, 0.0851



# Previews

## White Background



This preview shows how the Yxy color 68.0815, 0.3454, 0.4288 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 68.0815, 0.3454, 0.4288 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 68.0815, 0.3454, 0.4288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.0815, 0.3454, 0.4288.



This preview shows how white text looks on a background with the Yxy color 68.0815, 0.3454, 0.4288.

# 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

68.0815, 0.3454, 0.4288

### Protanopia

67.9283, 0.3817, 0.4127

### Deuteranopia

67.6370, 0.3932, 0.3860



## Tritanopia

67.8370, 0.2966, 0.3101

# Trichromacy



**Original Color**

68.0815, 0.3454, 0.4288

**Protanomaly**

67.7428, 0.3682, 0.4192

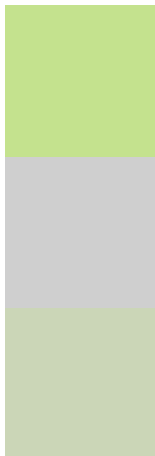
**Deuteranomaly**

67.2190, 0.3755, 0.4002

**Tritanomaly**

67.6239, 0.3152, 0.3521

# Monochromacy



**Original Color**

68.0815, 0.3454, 0.4288

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

64.2085, 0.3259, 0.3656

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0815, 0.3454, 0.4288 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(196, 226, 142)` looks like.

```
.text, #text, p{  
    color:rgb(196, 226, 142)  
}
```

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(196, 226, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 226, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0815, 0.3454, 0.4288 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(196, 226, 142) }
```

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

```
.border{ border-color:rgb(196, 226, 142) }
```

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

Here you see how a box with a 4 pixel rgb(196, 226, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 226, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 226, 142);  
box-shadow:4px 4px 4px 4px rgb(196, 226,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0815, 0.3454, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 226, 142) }
```

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

```
.background{ background-color: rgb(196,  
226, 142) }
```

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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