

# Converting Colors

$Yxy(67.9788, 0.3552, 0.4993)$

Have a look what the booklet for  
Yxy(67.9788, 0.3552, 0.4993)  
contains.

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# Color

**Yxy(67.9811, 0.3552, 0.4993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEE958
RGB	174, 233, 88
RGB Percent	68%, 91%, 35%
CMY	0.3175, 0.0863, 0.6548
CMYK	0.25, 0.00, 0.62, 0.09
HSL	84°, 77%, 63%
HSV	84°, 62%, 91%
XYZ	48.3615, 67.9811, 19.8102
YIQ	198.8290, 11.3810, -57.6030

# Conversions

## Conversions Part 2

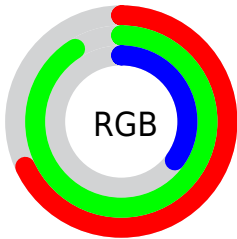
Format	Color
<a href="#">RYB</a>	<a href="#">88, 233, 147</a>
Decimal	<a href="#">11463000</a>
CIELab	<a href="#">86.00, -40.47, 62.53</a>
CIElCh	<a href="#">86, 74.484, 122.914</a>
Yxy	<a href="#">67.9811, 0.3552, 0.4993</a>
Android (android.graphics.Color)	<a href="#">4289653080 (0xFFAEE958)</a>
YUV	<a href="#">198.8290, -54.6387, -21.7750</a>
Hunter-Lab	<a href="#">82.4507, -39.5894, 43.4700</a>

# Details

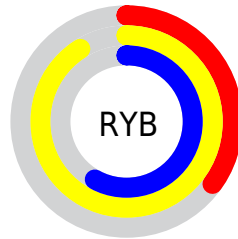
The Yxy color **67.9811, 0.3552, 0.4993** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **19.0698, 0.2353, 0.1484**, and the grayscale version is **57.3449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6590, 0.3623, 0.4439**, and **35.3100, 0.3565, 0.5410** is the 20% darker color. If you saturate the color by 10%, you get **66.6069, 0.3568, 0.5223**, and if you desaturate by 10%, it is **69.5615, 0.3514, 0.4730**.

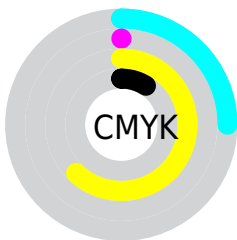
# Distribution



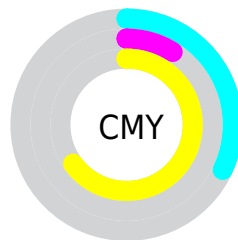
- Red (68%)
- Green (91%)
- Blue (35%)



- Red (35%)
- Yellow (91%)
- Blue (58%)



- Cyan (25%)
- Magenta (0%)
- Yellow (62%)
- Black (9%)




- Cyan (32%)
- Magenta (9%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.9811, 0.3552, 0.4993 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 67.9811, 0.3552, 0.4993 by changing the saturation by 10% instead.





 67.9811, 0.3552,  
0.4993

 67.9811, 0.3552,  
0.4993


453.4290, 0.3409,  
0.4169

 49.8824, 0.3565,  
0.5181


 116.3251, 0.3517,  
0.4705


 35.3199, 0.3569,  
0.5409


 147.3392, 0.3499,  
0.4593

 23.9094, 0.3555,  
0.5688


 183.4271, 0.3481,  
0.4497

 15.2664, 0.3501,  
0.6029

 224.9733, 0.3465,  
0.4414

 9.0066, 0.3434,  
0.6566

272.3623, 0.3449,  
0.4341

 4.7455, 0.3079,  
0.6921

325.9783, 0.3435,

 2.0987, 0.2488,

0.4277

0.7512

386.2057, 0.3421,  
0.4220

0.6639, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.9811, 0.3552,  
0.4993

67.9811, 0.3552,  
0.4993

66.6069, 0.3568,  
0.5223

69.5615, 0.3514,  
0.4730

65.4160, 0.3561,  
0.5407


71.3512, 0.3457,  
0.4447

64.3952, 0.3529,  
0.5538


73.3643, 0.3388,  
0.4157


63.6993, 0.3492,  
0.5609


75.6107, 0.3310,  
0.3872

 78.0998, 0.3228,  
0.3599

 80.8403, 0.3145,  
0.3344

 83.8406, 0.3064,  
0.3109

 85.7934, 0.3103,  
0.3075

 86.7571, 0.3137,  
0.3078

# Harmonies

## Analogous

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



67.9811, 0.4337, 0.4683



67.9811, 0.3552, 0.4993



67.9811, 0.2701, 0.4641

# Triad

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



67.9811, 0.3552, 0.4993



67.9811, 0.1627, 0.2178



67.9811, 0.4292, 0.2826

# Complementary

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



67.9811, 0.3552, 0.4993



19.0698, 0.2353, 0.1484

# 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.



67.9811, 0.3372, 0.2327



67.9811, 0.3552, 0.4993



67.9811, 0.1907, 0.1956

# Square

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



67.9811, 0.3552, 0.4993



67.9811, 0.1654, 0.2757



67.9811, 0.2501, 0.2020



67.9811, 0.4862, 0.3433



# Rectangle

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



67.9811, 0.3552, 0.4993



67.9811, 0.2212, 0.4042



67.9811, 0.2501, 0.2020



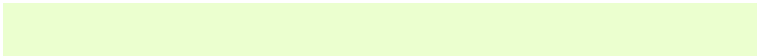
67.9811, 0.4004, 0.2643

# Sweetspot

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



67.9841, 0.3552, 0.4993



93.7149, 0.3285, 0.3785



38.5911, 0.4633, 0.3917



19.8771, 0.3308, 0.3865



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.



67.9841, 0.3552, 0.4993



81.2586, 0.3569, 0.5286



61.8377, 0.3100, 0.5261



17.3038, 0.3205, 0.3527



36.2190, 0.3502, 0.5601



2.9000, 0.3596, 0.5527



# Inverse Universe

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



19.0698, 0.2353, 0.1484



16.5693, 0.2154, 0.1153



27.8499, 0.3048, 0.1796



14.8480, 0.3043, 0.3051



4.7801, 0.1857, 0.0797



0.4302, 0.2012, 0.0882



# Previews

## White Background



This preview shows how the Yxy color 67.9811, 0.3552, 0.4993 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 67.9811, 0.3552, 0.4993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

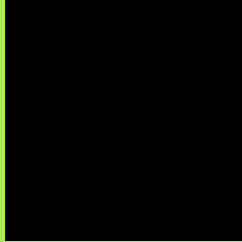
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.9811, 0.3552, 0.4993**

## Background



This preview shows how black text looks on a background with the Yxy color 67.9811, 0.3552, 0.4993.



This preview shows how white text looks on a background with the Yxy color 67.9811, 0.3552, 0.4993.

# 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

67.9811, 0.3552, 0.4993

### Protanopia

67.5761, 0.4180, 0.4596

### Deuteranopia

67.1238, 0.4056, 0.4027



## Tritanopia

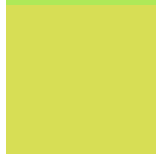
67.5364, 0.2842, 0.3086

# Trichromacy



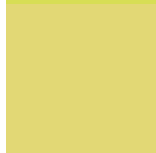
## Original Color

67.9811, 0.3552, 0.4993



## Protanomaly

67.3455, 0.3935, 0.4750



## Deuteranomaly

66.5648, 0.3884, 0.4372



## Tritanomaly

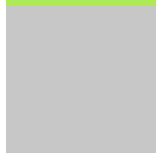
66.5919, 0.3132, 0.3786

# Monochromacy



## Original Color

67.9811, 0.3552, 0.4993



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

60.0389, 0.3329, 0.3936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.9811, 0.3552, 0.4993 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(174, 233, 88)` looks like.

```
.text, #text, p{  
    color:rgb(174, 233, 88)  
}
```

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(174, 233, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 233, 88) }
```

## Border

The CSS property to change the border of an element to Yxy 67.9811, 0.3552, 0.4993 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(174, 233, 88) }
```

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

```
.border{ border-color:rgb(174, 233, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 233, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 233, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 233, 88);  
box-shadow:4px 4px 4px 4px rgb(174, 233,  
88) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.9811, 0.3552, 0.4993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 233, 88) }
```

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

```
.background{ background-color: rgb(174,  
233, 88) }
```

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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