

# Converting Colors

Yxy(68.8941, 0.3415, 0.4355)

Have a look what the booklet for  
Yxy(68.8941, 0.3415, 0.4355)  
contains.

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# Color

**Yxy(68.8792, 0.3414, 0.4356)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BEE58C
RGB	190, 229, 140
RGB Percent	75%, 90%, 55%
CMY	0.2550, 0.1019, 0.4510
CMYK	0.17, 0.00, 0.39, 0.10
HSL	86°, 63%, 72%
HSV	86°, 39%, 90%
XYZ	53.9838, 68.8792, 35.2618
YIQ	207.1930, 5.3250, -35.9470

# Conversions

## Conversions Part 2

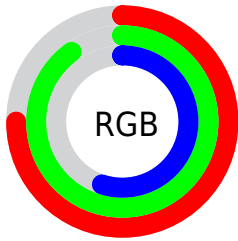
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 229, 179
Decimal	12510604
CIELab	86.44, -27.50, 39.28
CIELCh	86, 47.950, 124.989
Yxy	68.8792, 0.3414, 0.4356
Android (android.graphics.Color)	4290700684 (0xFFBEE58C)
YUV	207.1930, -33.1261, -15.0783
Hunter-Lab	82.9935, -29.1317, 32.9046

# Details

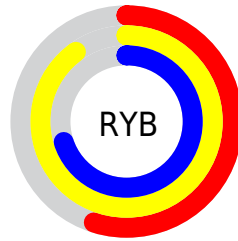
The Yxy color **68.8792, 0.3414, 0.4356** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.0040, 0.2725, 0.2199**, and the grayscale version is **62.7420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2343, 0.3430, 0.3890**, and **35.7426, 0.3460, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **67.0266, 0.3470, 0.4647**, and if you desaturate by 10%, it is **70.9676, 0.3347, 0.4064**.

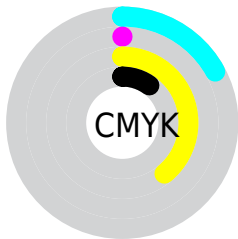
# Distribution



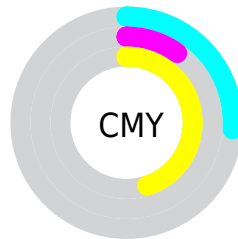
- Red (75%)
- Green (90%)
- Blue (55%)



- Red (55%)
- Yellow (90%)
- Blue (70%)



- Cyan (17%)
- Magenta (0%)
- Yellow (39%)
- Black (10%)




- Cyan (26%)
- Magenta (10%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8792, 0.3414, 0.4356 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 68.8792, 0.3414, 0.4356 by changing the saturation by 10% instead.




 68.8792, 0.3414,  
0.4356

 68.8792, 0.3414,  
0.4356


456.6048, 0.3298,  
0.3839


 50.6133, 0.3435,  
0.4479


 117.6090, 0.3378,  
0.4173

 35.9010, 0.3457,  
0.4632


 148.8418, 0.3362,  
0.4102

 24.3577, 0.3480,  
0.4827


 185.1656, 0.3349,  
0.4042

 15.5992, 0.3498,  
0.5084

226.9649, 0.3336,  
0.3990

 9.2410, 0.3499,  
0.5432

274.6241, 0.3325,  
0.3945

 4.8987, 0.3485,  
0.5977


328.5275, 0.3315,


 2.1879, 0.3301,


0.3905


0.6699

389.0596, 0.3306,  
0.3870


 0.7134, 0.0095,  
0.9905

 0.0000, 0.0000,  
0.0000


 68.8792, 0.3414,  
0.4356


 68.8792, 0.3414,  
0.4356


 67.0266, 0.3470,  
0.4647


 70.9676, 0.3347,  
0.4064


 65.3900, 0.3509,  
0.4924


 73.2925, 0.3273,  
0.3780


 63.9610, 0.3529,  
0.5173


 75.8659, 0.3196,  
0.3512

 62.7265, 0.3525,  
0.5379


 78.6965, 0.3118,  
0.3263


 61.6714, 0.3497,  
0.5534

 81.7923, 0.3043,  
0.3036

 60.7735, 0.3450,  
0.5637

 83.6325, 0.3107,  
0.3036

 60.6784, 0.3444,  
0.5647

 84.5245, 0.3139,  
0.3039

# Harmonies

## Analogous

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



68.8792, 0.3937, 0.4261



68.8792, 0.3414, 0.4356



68.8792, 0.2841, 0.4079

# Triad

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



68.8792, 0.3414, 0.4356



68.8792, 0.2099, 0.2543



68.8792, 0.3911, 0.3024

# Complementary

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



68.8792, 0.3414, 0.4356



34.0040, 0.2725, 0.2199

# Split Complementary

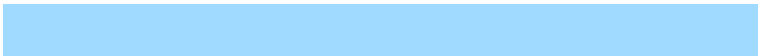
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8792, 0.3343, 0.2654



68.8792, 0.3414, 0.4356



68.8792, 0.2322, 0.2375

# Square

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



68.8792, 0.3414, 0.4356



68.8792, 0.2114, 0.2942



68.8792, 0.2760, 0.2422



68.8792, 0.4258, 0.3469



# Rectangle

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



68.8792, 0.3414, 0.4356



68.8792, 0.2509, 0.3721



68.8792, 0.2760, 0.2422



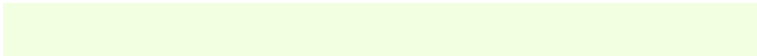
68.8792, 0.3737, 0.2889

# Sweetspot

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



68.8822, 0.3414, 0.4356



95.7265, 0.3221, 0.3596



50.6232, 0.3918, 0.3736



20.3960, 0.3231, 0.3631



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

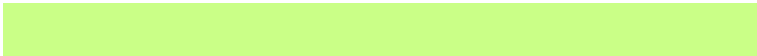


# Same Dimension

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



68.8822, 0.3414, 0.4356



85.8913, 0.3462, 0.4601



64.0436, 0.3109, 0.4464



16.4862, 0.3200, 0.3527



34.7618, 0.3455, 0.5639



2.6236, 0.3559, 0.5556



# Inverse Universe

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



34.0040, 0.2725, 0.2199



35.2446, 0.2611, 0.1941



40.1157, 0.3118, 0.2317



14.1948, 0.3049, 0.3052



4.8662, 0.1912, 0.0827



0.4138, 0.2075, 0.0917



# Previews

## White Background



This preview shows how the Yxy color 68.8792, 0.3414, 0.4356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

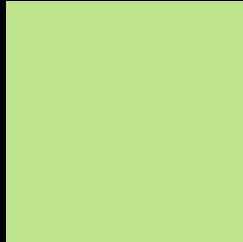
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.8792, 0.3414, 0.4356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

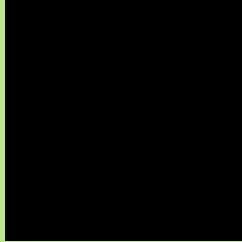
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.8792, 0.3414, 0.4356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.8792, 0.3414, 0.4356.



This preview shows how white text looks on a background with the Yxy color 68.8792, 0.3414, 0.4356.

# 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

68.8792, 0.3414, 0.4356

### Protanopia

68.5232, 0.3841, 0.4165

### Deuteranopia

68.1856, 0.3912, 0.3849



## Tritanopia

68.8375, 0.2914, 0.3101

# Trichromacy



## Original Color

68.8792, 0.3414, 0.4356



## Protanomaly

68.5791, 0.3680, 0.4235



## Deuteranomaly

67.7279, 0.3724, 0.4029



## Tritanomaly

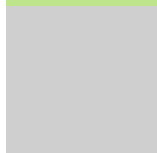
68.4184, 0.3101, 0.3546

# Monochromacy



## Original Color

68.8792, 0.3414, 0.4356



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

64.4373, 0.3242, 0.3669

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8792, 0.3414, 0.4356 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(190, 229, 140)` looks like.

```
.text, #text, p{  
    color:rgb(190, 229, 140)  
}
```

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(190, 229, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 229, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8792, 0.3414, 0.4356 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(190, 229, 140) }
```

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

```
.border{ border-color:rgb(190, 229, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 229, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 229, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 229, 140); box-shadow:4px 4px 4px 4px rgb(190, 229, 140) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8792, 0.3414, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 229, 140) }
```

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

```
.background{ background-color: rgb(190,  
229, 140) }
```

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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