

# Converting Colors

$Y_{xy}(75.2896, 0.3415, 0.4345)$

Have a look what the booklet for  
Yxy(75.2896, 0.3415, 0.4345)  
contains.

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# Color

**Yxy(75.2614, 0.3410, 0.4340)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6EE93
RGB	198, 238, 147
RGB Percent	78%, 93%, 58%
CMY	0.2235, 0.0667, 0.4235
CMYK	0.17, 0.00, 0.38, 0.07
HSL	86°, 73%, 75%
HSV	86°, 38%, 93%
XYZ	59.1340, 75.2614, 39.0180
YIQ	215.6660, 5.3710, -36.7810

# Conversions

## Conversions Part 2

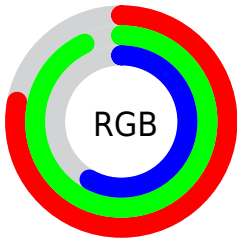
Format	Color
<a href="#">RYB</a>	<a href="#">147, 238, 187</a>
Decimal	<a href="#">13037203</a>
CIELab	<a href="#">89.52, -27.96, 39.87</a>
CIELCh	<a href="#">90, 48.695, 125.047</a>
Yxy	<a href="#">75.2614, 0.3410, 0.4340</a>
Android (android.graphics.Color)	<a href="#">4291227283</a> ( <a href="#">0xFFC6EE93</a> )
YUV	<a href="#">215.6660, -33.8523, -15.4931</a>
Hunter-Lab	<a href="#">86.7533, -30.1468, 34.0612</a>

# Details

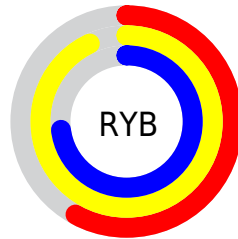
The Yxy color **75.2614, 0.3410, 0.4340** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **37.6084, 0.2732, 0.2217**, and the grayscale version is **68.6667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **40.1218, 0.3453, 0.4600** is the 20% darker color. If you saturate the color by 10%, you get **73.2204, 0.3466, 0.4632**, and if you desaturate by 10%, it is **77.5617, 0.3342, 0.4047**.

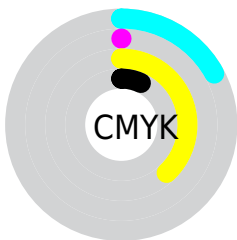
# Distribution



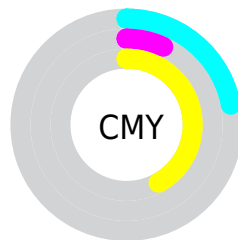
- Red (78%)
- Green (93%)
- Blue (58%)



- Red (58%)
- Yellow (93%)
- Blue (73%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (7%)




- Cyan (22%)
- Magenta (7%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2614, 0.3410, 0.4340 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 75.2614, 0.3410, 0.4340 by changing the saturation by 10% instead.




 75.2614, 0.3410,  
0.4340

 75.2614, 0.3410,  
0.4340


478.8156, 0.3297,  
0.3838

 55.8271, 0.3430,  
0.4457


 126.6823, 0.3375,  
0.4164

 40.0643, 0.3452,  
0.4602


 159.4377, 0.3360,  
0.4096

 27.5887, 0.3474,  
0.4786


197.4022, 0.3347,  
0.4037

 18.0158, 0.3493,  
0.5025

240.9602, 0.3335,  
0.3987

 10.9613, 0.3499,  
0.5345

290.4962, 0.3324,  
0.3943

 6.0409, 0.3470,  
0.5791


346.3945, 0.3314,

 2.8699, 0.3417,


0.3904


0.6583


409.0395, 0.3305,  
0.3869


 1.0642, 0.2304,  
0.7696


 0.0000, 0.0000,  
0.0000


 75.2614, 0.3410,  
0.4340


 75.2614, 0.3410,  
0.4340


 73.2204, 0.3466,  
0.4632


 77.5617, 0.3342,  
0.4047


 71.4173, 0.3507,  
0.4911


 80.1220, 0.3268,  
0.3763

 69.8426, 0.3527,  
0.5162


 82.9558, 0.3191,  
0.3496

 68.4822, 0.3525,  
0.5371


 86.0722, 0.3114,  
0.3248

 67.3194, 0.3498,  
0.5529

 88.7506, 0.3104,  
0.3125

 66.3320, 0.3451,  
0.5633

 89.6294, 0.3135,  
0.3127

 66.1701, 0.3442,  
0.5649

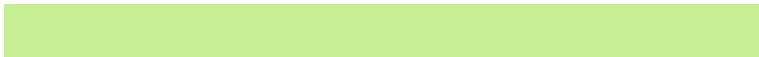
# Harmonies

## Analogous

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



75.2614, 0.3926, 0.4249



75.2614, 0.3410, 0.4340



75.2614, 0.2845, 0.4065

# Triad

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



75.2614, 0.3410, 0.4340



75.2614, 0.2112, 0.2553



75.2614, 0.3901, 0.3029

# Complementary

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



75.2614, 0.3410, 0.4340



37.6084, 0.2732, 0.2217

# Split Complementary

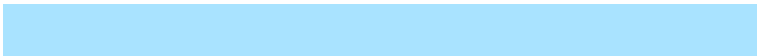
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.2614, 0.3341, 0.2662



75.2614, 0.3410, 0.4340



75.2614, 0.2333, 0.2387

# Square

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



75.2614, 0.3410, 0.4340



75.2614, 0.2127, 0.2947



75.2614, 0.2766, 0.2433



75.2614, 0.4242, 0.3469



# Rectangle

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



75.2614, 0.3410, 0.4340



75.2614, 0.2516, 0.3714



75.2614, 0.2766, 0.2433



75.2614, 0.3729, 0.2895

# Sweetspot

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



75.2647, 0.3410, 0.4340



96.0601, 0.3213, 0.3569



55.5880, 0.3904, 0.3730



20.4628, 0.3223, 0.3605



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

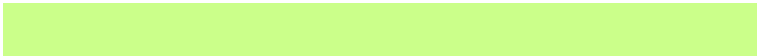


# Same Dimension

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



75.2647, 0.3410, 0.4340



86.1070, 0.3456, 0.4573



70.0363, 0.3109, 0.4445



18.0934, 0.3201, 0.3528



36.9941, 0.3452, 0.5641



3.1364, 0.3546, 0.5567



# Inverse Universe

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



37.6084, 0.2732, 0.2217



36.1610, 0.2626, 0.1972



44.1893, 0.3118, 0.2330



15.5685, 0.3048, 0.3051



5.1790, 0.1911, 0.0827

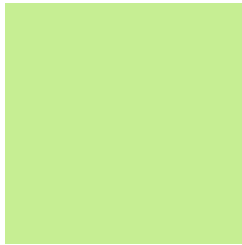


0.4888, 0.2058, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 75.2614, 0.3410, 0.4340 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

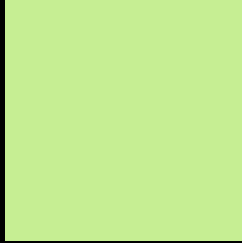
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2614, 0.3410, 0.4340 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

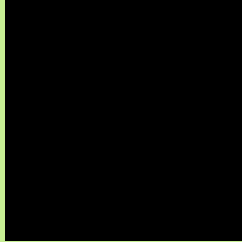
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2614, 0.3410, 0.4340**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2614, 0.3410, 0.4340.

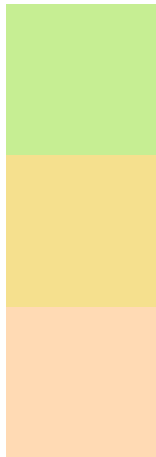


This preview shows how white text looks on a background with the Yxy color 75.2614, 0.3410, 0.4340.

# 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

75.2614, 0.3410, 0.4340

### Protanopia

74.6768, 0.3839, 0.4143

### Deuteranopia

74.6981, 0.3674, 0.3681



## Tritanopia

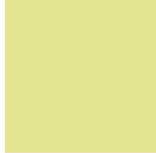
74.9214, 0.2921, 0.3097

# Trichromacy



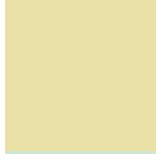
## Original Color

75.2614, 0.3410, 0.4340



## Protanomaly

74.5462, 0.3676, 0.4213



## Deuteranomaly

74.1700, 0.3577, 0.3906



## Tritanomaly

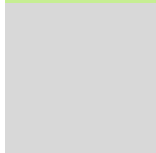
74.4625, 0.3103, 0.3525

# Monochromacy



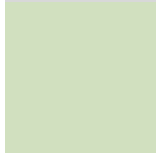
## Original Color

75.2614, 0.3410, 0.4340



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.6282, 0.3237, 0.3667

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2614, 0.3410, 0.4340 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(198, 238, 147)` looks like.

```
.text, #text, p{  
    color:rgb(198, 238, 147)  
}
```

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(198, 238, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 238, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2614, 0.3410, 0.4340 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(198, 238, 147) }
```

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

```
.border{ border-color:rgb(198, 238, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 238, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 238, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 238, 147);  
box-shadow:4px 4px 4px 4px rgb(198, 238,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2614, 0.3410, 0.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 238, 147) }
```

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

```
.background{ background-color: rgb(198,  
238, 147) }
```

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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