

# Converting Colors

$Yxy(76.3090, 0.3397, 0.4338)$

Have a look what the booklet for  
Yxy(76.3090, 0.3397, 0.4338)  
contains.

<b>Yxy(76.4959, 0.3394, 0.4336)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.4959, 0.3394, 0.4336)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6F095
RGB	198, 240, 149
RGB Percent	78%, 94%, 58%
CMY	0.2235, 0.0588, 0.4156
CMYK	0.17, 0.00, 0.38, 0.06
HSL	88°, 75%, 76%
HSV	88°, 38%, 94%
XYZ	59.8771, 76.4959, 40.0474
YIQ	217.0680, 4.1790, -37.2050

# Conversions

## Conversions Part 2

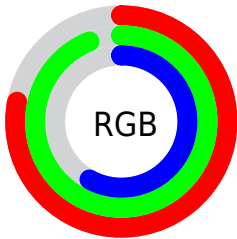
Format	Color
<a href="#">RYB</a>	<a href="#">149, 240, 191</a>
Decimal	<a href="#">13037717</a>
CIELab	<a href="#">90.09, -28.66, 39.62</a>
CIELCh	<a href="#">90, 48.893, 125.880</a>
Yxy	<a href="#">76.4959, 0.3394, 0.4336</a>
Android (android.graphics.Color)	<a href="#">4291227797</a> ( <a href="#">0xFFC6F095</a> )
YUV	<a href="#">217.0680, -33.5575, -16.7226</a>
Hunter-Lab	<a href="#">87.4619, -30.8559, 34.0754</a>

# Details

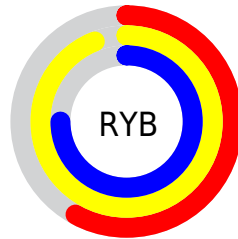
The Yxy color **76.4959, 0.3394, 0.4336** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.8667, 0.2753, 0.2231**, and the grayscale version is **69.6736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **40.9837, 0.3433, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **74.3593, 0.3447, 0.4632**, and if you desaturate by 10%, it is **78.9072, 0.3330, 0.4041**.

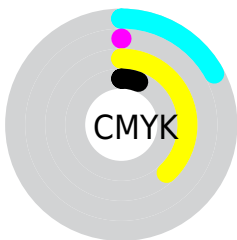
# Distribution



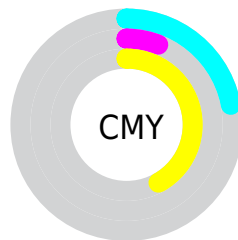
- Red (78%)
- Green (94%)
- Blue (58%)



- Red (58%)
- Yellow (94%)
- Blue (75%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)




- Cyan (22%)
- Magenta (6%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4959, 0.3394, 0.4336 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 76.4959, 0.3394, 0.4336 by changing the saturation by 10% instead.




 76.4959, 0.3394,  
0.4336


 76.4959, 0.3394,  
0.4336


483.0436, 0.3288,  
0.3837

 56.8392, 0.3413,  
0.4452


 128.4276, 0.3362,  
0.4161

 40.8762, 0.3432,  
0.4596


 161.4715, 0.3348,  
0.4093

 28.2223, 0.3452,  
0.4778


199.7466, 0.3335,  
0.4035

 18.4933, 0.3468,  
0.5016

243.6372, 0.3324,  
0.3985

 11.3048, 0.3472,  
0.5333

293.5279, 0.3314,  
0.3941

 6.2722, 0.3438,  
0.5773


349.8029, 0.3305,


 3.0113, 0.3404,


0.3902


0.6596


412.8466, 0.3296,  
0.3868


 1.1376, 0.2414,  
0.7586

 0.0099, 0.0000,  
1.0000


 76.4959, 0.3394,  
0.4336


 76.4959, 0.3394,  
0.4336


 74.3593, 0.3447,  
0.4632

 78.9072, 0.3330,  
0.4041

 72.4753, 0.3485,  
0.4915


 81.5943, 0.3259,  
0.3756


 70.8340, 0.3502,  
0.5171


 84.5711, 0.3186,  
0.3488


 69.4204, 0.3497,  
0.5386


 87.8475, 0.3112,  
0.3240

 68.2175, 0.3469,  
0.5548

 90.4969, 0.3123,  
0.3146

 67.2027, 0.3420,  
0.5656

 90.8011, 0.3134,  
0.3146

 67.0081, 0.3409,  
0.5675

# Harmonies

## Analogous

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



76.4959, 0.3913, 0.4255



76.4959, 0.3394, 0.4336



76.4959, 0.2830, 0.4052

# Triad

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



76.4959, 0.3394, 0.4336



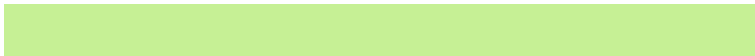
76.4959, 0.2117, 0.2546



76.4959, 0.3914, 0.3040

# Complementary

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



76.4959, 0.3394, 0.4336



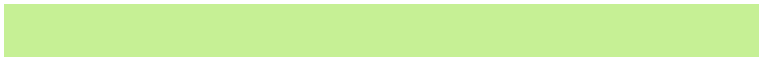
38.8667, 0.2753, 0.2231

# Split Complementary

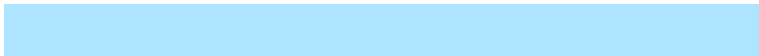
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.4959, 0.3358, 0.2672



76.4959, 0.3394, 0.4336



76.4959, 0.2343, 0.2386

# Square

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



76.4959, 0.3394, 0.4336



76.4959, 0.2124, 0.2933



76.4959, 0.2781, 0.2438



76.4959, 0.4245, 0.3481



# Rectangle

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



76.4959, 0.3394, 0.4336



76.4959, 0.2505, 0.3697



76.4959, 0.2781, 0.2438



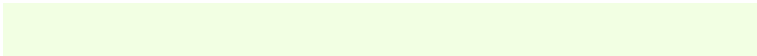
76.4959, 0.3744, 0.2906

# Sweetspot

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



76.4993, 0.3394, 0.4336



95.9505, 0.3209, 0.3569



57.5046, 0.3890, 0.3742



20.4367, 0.3219, 0.3606



0.0000, 0.0000, 0.0000

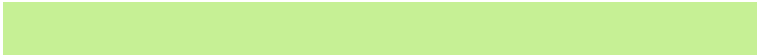


21.4041, 0.3127, 0.3290

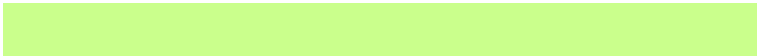


# Same Dimension

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



76.4993, 0.3394, 0.4336



85.9841, 0.3434, 0.4551



71.3186, 0.3100, 0.4437



18.0756, 0.3197, 0.3528



36.7608, 0.3420, 0.5666



3.1173, 0.3516, 0.5590



# Inverse Universe

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



38.8667, 0.2753, 0.2231



37.4133, 0.2660, 0.2010



45.5296, 0.3132, 0.2342



15.5861, 0.3052, 0.3051



5.3623, 0.1951, 0.0848

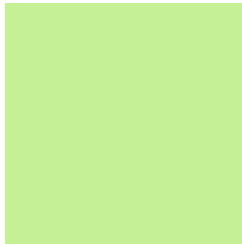


0.5046, 0.2096, 0.0928



# Previews

## White Background



This preview shows how the Yxy color 76.4959, 0.3394, 0.4336 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 76.4959, 0.3394, 0.4336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

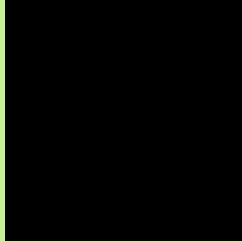
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.4959, 0.3394, 0.4336**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4959, 0.3394, 0.4336.

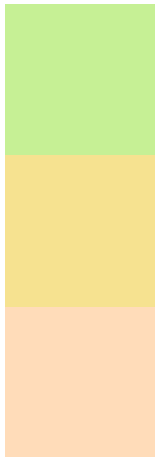


This preview shows how white text looks on a background with the Yxy color 76.4959, 0.3394, 0.4336.

# 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

76.4959, 0.3394, 0.4336

### Protanopia

75.9992, 0.3826, 0.4140

### Deuteranopia

75.9492, 0.3632, 0.3649



## Tritanopia

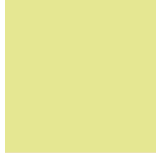
76.1377, 0.2910, 0.3098

# Trichromacy



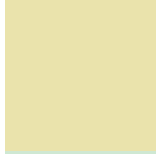
## Original Color

76.4959, 0.3394, 0.4336



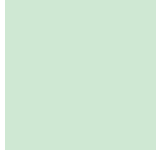
## Protanomaly

75.8852, 0.3664, 0.4208



## Deuteranomaly

75.4092, 0.3545, 0.3883



## Tritanomaly

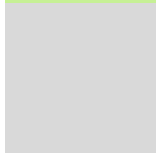
75.6818, 0.3089, 0.3524

# Monochromacy



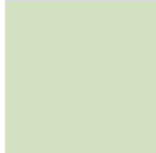
## Original Color

76.4959, 0.3394, 0.4336



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

71.3578, 0.3237, 0.3665

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4959, 0.3394, 0.4336 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, 240, 149)` looks like.

```
.text, #text, p{  
    color:rgb(198, 240, 149)  
}
```

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, 240, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 240, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4959, 0.3394, 0.4336 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, 240, 149) }
```

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

```
.border{ border-color:rgb(198, 240, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 240, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 240, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 240, 149); box-shadow:4px 4px 4px 4px rgb(198, 240, 149) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4959, 0.3394, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 240, 149) }
```

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

```
.background{ background-color: rgb(198,  
240, 149) }
```

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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