

# Converting Colors

$Y_{xy}(76.2662, 0.3516, 0.4386)$

Have a look what the booklet for  
Yxy(76.2662, 0.3516, 0.4386)  
contains.

<b>Yxy(76.3079, 0.3515, 0.4394)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.3079, 0.3515, 0.4394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFEE8C
RGB	207, 238, 140
RGB Percent	81%, 93%, 55%
CMY	0.1882, 0.0667, 0.4511
CMYK	0.13, 0.00, 0.41, 0.07
HSL	79°, 74%, 74%
HSV	79°, 41%, 93%
XYZ	61.0428, 76.3079, 36.3131
YIQ	217.5590, 12.9820, -37.0500

# Conversions

## Conversions Part 2

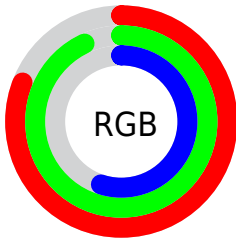
Format	Color
<a href="#">RYB</a>	<a href="#">140, 238, 171</a>
Decimal	<a href="#">13627020</a>
CIELab	<a href="#">90.00, -25.52, 44.07</a>
CIElCh	<a href="#">90, 50.921, 120.073</a>
Yxy	<a href="#">76.3079, 0.3515, 0.4394</a>
Android (android.graphics.Color)	<a href="#">4291817100 (0xFFCFEE8C)</a>
YUV	<a href="#">217.5590, -38.2366, -9.2602</a>
Hunter-Lab	<a href="#">87.3544, -28.1352, 36.5013</a>

# Details

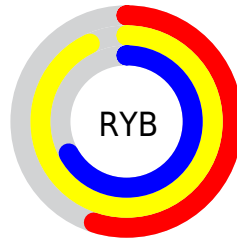
The Yxy color **76.3079, 0.3515, 0.4394** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.5766, 0.2594, 0.2094**, and the grayscale version is **70.0556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7201, 0.3484, 0.3880**, and **40.7398, 0.3574, 0.4659** is the 20% darker color. If you saturate the color by 10%, you get **74.6256, 0.3589, 0.4664**, and if you desaturate by 10%, it is **78.2005, 0.3428, 0.4115**.

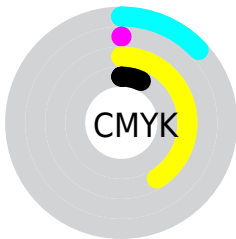
# Distribution



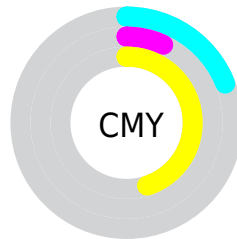
- Red (81%)
- Green (93%)
- Blue (55%)



- Red (55%)
- Yellow (93%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (41%)
- Black (7%)




- Cyan (19%)
- Magenta (7%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3079, 0.3515, 0.4394 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 76.3079, 0.3515, 0.4394 by changing the saturation by 10% instead.




 76.3079, 0.3515,  
0.4394


 76.3079, 0.3515,  
0.4394


482.4010, 0.3356,  
0.3872

 56.6850, 0.3544,  
0.4514


 128.1620, 0.3465,  
0.4212

 40.7524, 0.3577,  
0.4661


 161.1621, 0.3444,  
0.4141

 28.1257, 0.3611,  
0.4846


 199.3900, 0.3425,  
0.4080

 18.4204, 0.3644,  
0.5083

243.2302, 0.3409,  
0.4028

 11.2522, 0.3665,  
0.5392

293.0669, 0.3394,  
0.3981

 6.2368, 0.3667,  
0.5832


349.2847, 0.3380,


 2.9896, 0.3567,


0.3940


0.6433

412.2680, 0.3368,  
0.3904


 1.1263, 0.2761,  
0.7239


 0.0002, 0.0000,  
1.0000

 76.3079, 0.3515,  
0.4394


 76.3079, 0.3515,  
0.4394

 74.6256, 0.3589,  
0.4664


 78.2005, 0.3428,  
0.4115

 73.1327, 0.3645,  
0.4913

 80.3028, 0.3334,  
0.3838


 71.8209, 0.3678,  
0.5129


 82.6272, 0.3236,  
0.3571

 70.6768, 0.3687,  
0.5300


 85.1822, 0.3139,  
0.3319

 69.6844, 0.3670,  
0.5422

 87.7167, 0.3067,  
0.3123

 68.9132, 0.3638,  
0.5494

 89.0947, 0.3116,  
0.3126

 89.6303, 0.3135,  
0.3127

# Harmonies

## Analogous

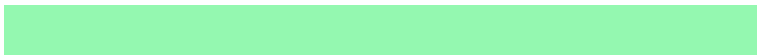
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3079, 0.4028, 0.4239



76.3079, 0.3515, 0.4394



76.3079, 0.2925, 0.4174

# Triad

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



76.3079, 0.3515, 0.4394



76.3079, 0.2061, 0.2575



76.3079, 0.3847, 0.2948

# Complementary

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



76.3079, 0.3515, 0.4394



33.5766, 0.2594, 0.2094

# 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.



76.3079, 0.3245, 0.2589



76.3079, 0.3515, 0.4394



76.3079, 0.2250, 0.2366

# Square

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



76.3079, 0.3515, 0.4394



76.3079, 0.2117, 0.3019



76.3079, 0.2664, 0.2381



76.3079, 0.4252, 0.3394



# Rectangle

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



76.3079, 0.3515, 0.4394



76.3079, 0.2569, 0.3832



76.3079, 0.2664, 0.2381



76.3079, 0.3657, 0.2815

# Sweetspot

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



76.3113, 0.3515, 0.4394



96.3951, 0.3245, 0.3593



48.5899, 0.4044, 0.3622



20.5536, 0.3257, 0.3628



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.



76.3113, 0.3515, 0.4394



87.6570, 0.3575, 0.4611



70.4738, 0.3188, 0.4518



18.1940, 0.3219, 0.3527



38.5180, 0.3646, 0.5487



3.2572, 0.3720, 0.5428



# Inverse Universe

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



33.5766, 0.2594, 0.2094



31.6938, 0.2462, 0.1835



39.8898, 0.3000, 0.2222



15.4711, 0.3029, 0.3049



4.3444, 0.1723, 0.0723

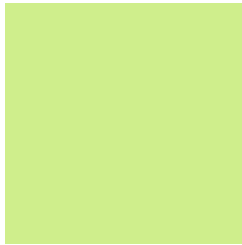


0.4125, 0.1863, 0.0800



# Previews

## White Background



This preview shows how the Yxy color 76.3079, 0.3515, 0.4394 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 76.3079, 0.3515, 0.4394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

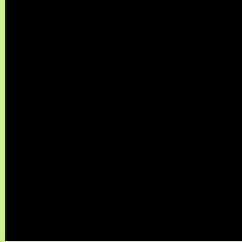
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

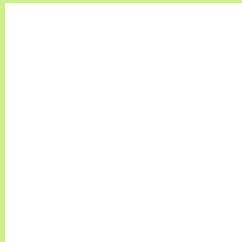
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3079, 0.3515, 0.4394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3079, 0.3515, 0.4394.



This preview shows how white text looks on a background with the Yxy color 76.3079, 0.3515, 0.4394.

# 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

76.3079, 0.3515, 0.4394

### Protanopia

75.9161, 0.3891, 0.4224

### Deuteranopia

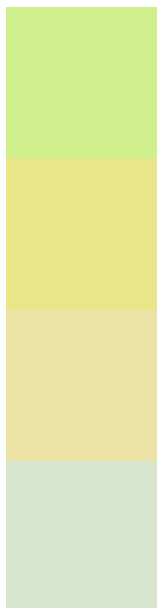
75.8238, 0.3654, 0.3680



## Tritanopia

76.2965, 0.2980, 0.3100

# Trichromacy



## Original Color

76.3079, 0.3515, 0.4394

## Protanomaly

75.5556, 0.3746, 0.4283

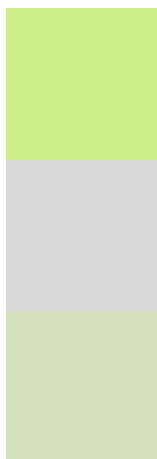
## Deuteranomaly

75.9053, 0.3609, 0.3930

## Tritanomaly

75.6488, 0.3184, 0.3554

# Monochromacy



## Original Color

76.3079, 0.3515, 0.4394

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

71.8643, 0.3279, 0.3685

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3079, 0.3515, 0.4394 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(207, 238, 140)` looks like.

```
.text, #text, p{  
    color:rgb(207, 238, 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(207, 238, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 238, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3079, 0.3515, 0.4394 is called "border". The border property can be set on classes, ids or directly on the HTML element.

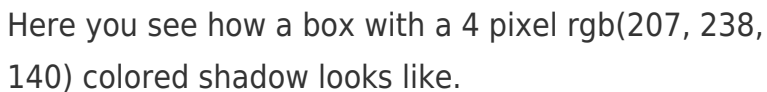
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 238, 140) }
```

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

```
.border{ border-color:rgb(207, 238, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 238, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 238, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 238, 140);  
box-shadow:4px 4px 4px 4px rgb(207, 238,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3079, 0.3515, 0.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 238, 140) }
```

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

```
.background{ background-color: rgb(207,  
238, 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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