

# Converting Colors

Yxy(78.0491, 0.3520, 0.4673)

Have a look what the booklet for  
Yxy(78.0491, 0.3520, 0.4673)  
contains.

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# Color

**Yxy(77.8176, 0.3519, 0.4676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F479
RGB	196, 244, 121
RGB Percent	77%, 96%, 47%
CMY	0.2315, 0.0431, 0.5253
CMYK	0.20, 0.00, 0.50, 0.04
HSL	83°, 85%, 72%
HSV	83°, 50%, 96%
XYZ	58.5629, 77.8176, 30.0387
YIQ	215.6260, 10.8750, -48.4290

# Conversions

## Conversions Part 2

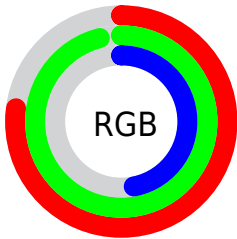
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 244, 169
Decimal	12907641
CIELab	90.70, -34.43, 53.76
CIELCh	91, 63.844, 122.639
Yxy	77.8176, 0.3519, 0.4676
Android (android.graphics.Color)	4291097721 (0xFFC4F479)
YUV	215.6260, -46.6506, -17.2120
Hunter-Lab	88.2143, -35.8740, 41.5606

# Details

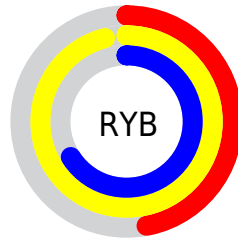
The Yxy color **77.8176, 0.3519, 0.4676** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **28.6655, 0.2515, 0.1823**, and the grayscale version is **68.7204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7254, 0.3590, 0.4068**, and **41.9592, 0.3561, 0.5007** is the 20% darker color. If you saturate the color by 10%, you get **76.0579, 0.3564, 0.4941**, and if you desaturate by 10%, it is **79.8168, 0.3457, 0.4393**.

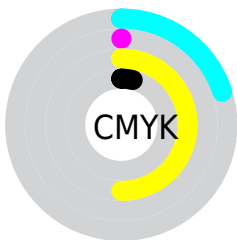
# Distribution



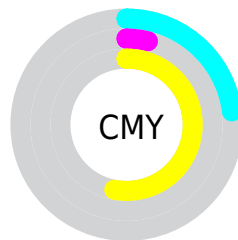
- Red (77%)
- Green (96%)
- Blue (47%)



- Red (47%)
- Yellow (96%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (50%)
- Black (4%)




- Cyan (23%)
- Magenta (4%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8176, 0.3519, 0.4676 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 77.8176, 0.3519, 0.4676 by changing the saturation by 10% instead.




 77.8176, 0.3519,  
0.4676

 77.8176, 0.3519,  
0.4676


487.5472, 0.3373,  
0.4019


 57.9242, 0.3541,  
0.4825


 130.2930, 0.3477,  
0.4448

 41.7477, 0.3561,  
0.5007


 163.6437, 0.3458,  
0.4359

 28.9038, 0.3576,  
0.5233

 202.2489, 0.3441,  
0.4282

 19.0080, 0.3576,  
0.5517

246.4931, 0.3425,  
0.4216

 11.6761, 0.3541,  
0.5876

296.7606, 0.3410,  
0.4158

 6.5235, 0.3512,  
0.6488


353.4359, 0.3397,


 3.1659, 0.3127,


0.4106


0.6873

416.9033, 0.3385,  
0.4060


 1.2190, 0.1895,  
0.8105


 0.0771, 0.0000,  
1.0000

 77.8176, 0.3519,  
0.4676


 77.8176, 0.3519,  
0.4676


 76.0579, 0.3564,  
0.4941


 79.8168, 0.3457,  
0.4393


 74.5143, 0.3586,  
0.5175

 82.0572, 0.3383,  
0.4104


 73.1753, 0.3585,  
0.5365

 84.5530, 0.3301,  
0.3822


 72.0235, 0.3559,  
0.5503

 87.3144, 0.3216,  
0.3552

 71.0663, 0.3516,  
0.5591

 90.3510, 0.3130,  
0.3299

 92.8430, 0.3120,  
0.3184

 93.1879, 0.3132,  
0.3185

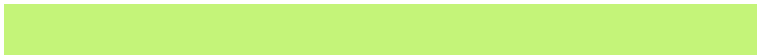
# Harmonies

## Analogous

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



77.8176, 0.4170, 0.4472



77.8176, 0.3519, 0.4676



77.8176, 0.2801, 0.4373

# Triad

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



77.8176, 0.3519, 0.4676



77.8176, 0.1849, 0.2371



77.8176, 0.4078, 0.2906

# Complementary

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



77.8176, 0.3519, 0.4676



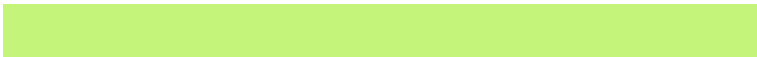
28.6655, 0.2515, 0.1823

# 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.



77.8176, 0.3331, 0.2472



77.8176, 0.3519, 0.4676



77.8176, 0.2093, 0.2161

# Square

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



77.8176, 0.3519, 0.4676



77.8176, 0.1883, 0.2877



77.8176, 0.2606, 0.2208



77.8176, 0.4552, 0.3438



# Rectangle

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



77.8176, 0.3519, 0.4676



77.8176, 0.2381, 0.3907



77.8176, 0.2606, 0.2208



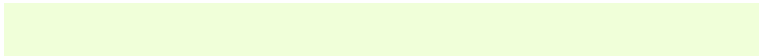
77.8176, 0.3845, 0.2747

# Sweetspot

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



77.8210, 0.3519, 0.4676



95.0516, 0.3256, 0.3675



48.6910, 0.4278, 0.3801



20.2079, 0.3274, 0.3732



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

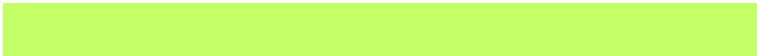


# Same Dimension

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



77.8210, 0.3519, 0.4676



84.1105, 0.3563, 0.4935



71.2736, 0.3129, 0.4862



18.9716, 0.3208, 0.3528



38.7194, 0.3526, 0.5583



3.4624, 0.3608, 0.5517



# Inverse Universe

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



28.6655, 0.2515, 0.1823



24.3813, 0.2363, 0.1530



36.9876, 0.3052, 0.2027



16.2424, 0.3040, 0.3050



4.9577, 0.1829, 0.0781

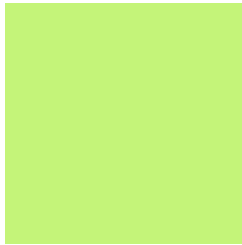


0.4933, 0.1968, 0.0858



# Previews

## White Background



This preview shows how the Yxy color 77.8176, 0.3519, 0.4676 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 77.8176, 0.3519, 0.4676 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

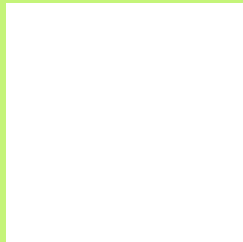
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.8176, 0.3519, 0.4676**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.8176, 0.3519, 0.4676.

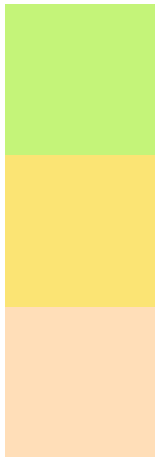


This preview shows how white text looks on a background with the Yxy color 77.8176, 0.3519, 0.4676.

# 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

77.8176, 0.3519, 0.4676

### Protanopia

77.2570, 0.4024, 0.4398

### Deuteranopia

76.9632, 0.3634, 0.3679



## Tritanopia

77.5171, 0.2906, 0.3099

# Trichromacy



## Original Color

77.8176, 0.3519, 0.4676



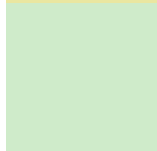
## Protanomaly

77.1426, 0.3831, 0.4502



## Deuteranomaly

76.6593, 0.3610, 0.4030



## Tritanomaly

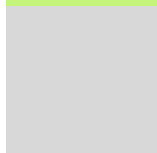
76.9463, 0.3143, 0.3659

# Monochromacy



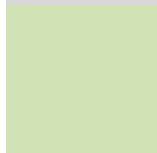
## Original Color

77.8176, 0.3519, 0.4676



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.2842, 0.3301, 0.3805

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.8176, 0.3519, 0.4676 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(196, 244, 121)` looks like.

```
.text, #text, p{  
    color:rgb(196, 244, 121)  
}
```

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(196, 244, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 244, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 77.8176, 0.3519, 0.4676 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(196, 244, 121) }
```

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

```
.border{ border-color:rgb(196, 244, 121) }
```

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

Here you see how a box with a 4 pixel rgb(196, 244, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 244, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 244, 121);  
box-shadow:4px 4px 4px 4px rgb(196, 244,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.8176, 0.3519, 0.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 244, 121) }
```

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

```
.background{ background-color: rgb(196,  
244, 121) }
```

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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