

# Converting Colors

Yxy(77.4282, 0.3367, 0.4670)

Have a look what the booklet for  
Yxy(77.4282, 0.3367, 0.4670)  
contains.

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**Color**

**Yxy(77.1733, 0.3369, 0.4671)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4F680
RGB	180, 246, 128
RGB Percent	71%, 96%, 50%
CMY	0.2944, 0.0352, 0.4980
CMYK	0.27, 0.00, 0.48, 0.04
HSL	94°, 87%, 73%
HSV	94°, 48%, 96%
XYZ	55.6619, 77.1733, 32.3827
YIQ	212.8140, -1.4580, -50.6900

# Conversions

## Conversions Part 2

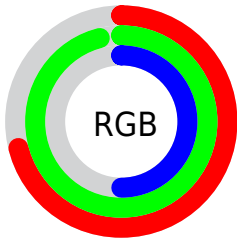
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 246, 194
Decimal	11859584
CIELab	90.40, -40.31, 49.95
CIELCh	90, 64.184, 128.900
Yxy	77.1733, 0.3369, 0.4671
Android (android.graphics.Color)	4290049664 (0xFFB4F680)
YUV	212.8140, -41.8133, -28.7779
Hunter-Lab	87.8483, -40.6345, 39.6383

# Details

The Yxy color **77.1733, 0.3369, 0.4671** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.5741, 0.2720, 0.1958**, and the grayscale version is **66.6866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1160, 0.3441, 0.4026**, and **41.1883, 0.3383, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **75.0341, 0.3391, 0.4971**, and if you desaturate by 10%, it is **79.6406, 0.3332, 0.4361**.

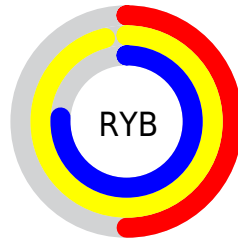
# Distribution



Red (71%)

Green (96%)

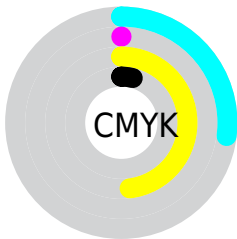
Blue (50%)



Red (50%)

Yellow (96%)

Blue (76%)

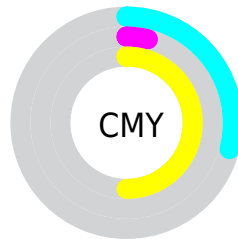


Cyan (27%)

Magenta (0%)

Yellow (48%)

Black (4%)



Cyan (29%)

Magenta (4%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1733, 0.3369, 0.4671 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 77.1733, 0.3369, 0.4671 by changing the saturation by 10% instead.




 77.1733, 0.3369,  
0.4671


 77.1733, 0.3369,  
0.4671


485.3547, 0.3290,  
0.4007


 57.3951, 0.3377,  
0.4825

 129.3841, 0.3349,  
0.4438

 41.3226, 0.3381,  
0.5015


 162.5855, 0.3339,  
0.4348

 28.5712, 0.3376,  
0.5255

 201.0301, 0.3330,  
0.4271

 18.7567, 0.3353,  
0.5562

245.1022, 0.3321,  
0.4204

 11.4946, 0.3290,  
0.5963

295.1864, 0.3312,  
0.4145

 6.4005, 0.3203,  
0.6619


351.6669, 0.3304,


 3.0901, 0.2806,


0.4094


0.7194


414.9282, 0.3297,  
0.4048

 1.1790, 0.0857,  
0.9143


 0.0444, 0.0000,  
1.0000


 77.1733, 0.3369,  
0.4671

 77.1733, 0.3369,  
0.4671


 75.0341, 0.3391,  
0.4971


 79.6406, 0.3332,  
0.4361


 73.1966, 0.3395,  
0.5244


 82.4408, 0.3285,  
0.4055

 71.6460, 0.3378,  
0.5475

 85.5913, 0.3231,  
0.3762

 70.3616, 0.3341,  
0.5648

 89.1050, 0.3173,  
0.3490

 69.3168, 0.3287,  
0.5762

 92.9943, 0.3115,  
0.3242

 69.1273, 0.3276,  
0.5781

 94.4034, 0.3131,  
0.3204

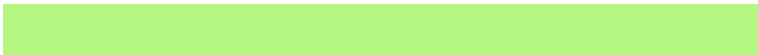
# Harmonies

## Analogous

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



77.1733, 0.4055, 0.4556



77.1733, 0.3369, 0.4671



77.1733, 0.2656, 0.4252

# Triad

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



77.1733, 0.3369, 0.4671



77.1733, 0.1869, 0.2296



77.1733, 0.4218, 0.3009

# Complementary

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



77.1733, 0.3369, 0.4671



33.5741, 0.2720, 0.1958

# 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.



77.1733, 0.3497, 0.2546



77.1733, 0.3369, 0.4671



77.1733, 0.2172, 0.2143

# Square

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



77.1733, 0.3369, 0.4671



77.1733, 0.1843, 0.2741



77.1733, 0.2740, 0.2239



77.1733, 0.4607, 0.3554



# Rectangle

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



77.1733, 0.3369, 0.4671



77.1733, 0.2263, 0.3743



77.1733, 0.2740, 0.2239



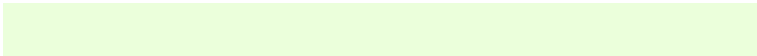
77.1733, 0.4001, 0.2842

# Sweetspot

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



77.1767, 0.3369, 0.4671



94.3139, 0.3208, 0.3652



59.2550, 0.4095, 0.3981



20.0146, 0.3221, 0.3712



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.



77.1767, 0.3369, 0.4671



81.3744, 0.3391, 0.4975



72.2309, 0.3029, 0.4739



18.8287, 0.3182, 0.3530



36.9708, 0.3288, 0.5771



3.3091, 0.3385, 0.5694



# Inverse Universe

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



33.5741, 0.2720, 0.1958



28.6934, 0.2604, 0.1678



41.3326, 0.3234, 0.2175



16.3844, 0.3067, 0.3052



6.5091, 0.2145, 0.0955

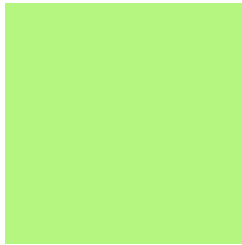


0.6329, 0.2272, 0.1025



# Previews

## White Background



This preview shows how the Yxy color 77.1733, 0.3369, 0.4671 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 77.1733, 0.3369, 0.4671 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

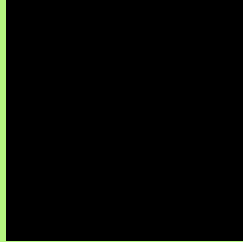
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

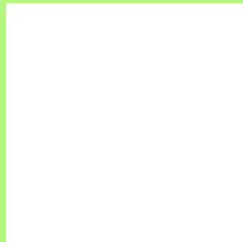
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1733, 0.3369, 0.4671**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1733, 0.3369, 0.4671.

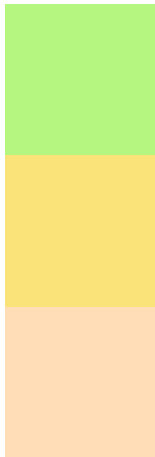


This preview shows how white text looks on a background with the Yxy color 77.1733, 0.3369, 0.4671.

# 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

77.1733, 0.3369, 0.4671

### Protanopia

76.6426, 0.3993, 0.4351

### Deuteranopia

76.3918, 0.3644, 0.3680



## Tritanopia

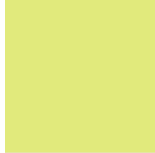
76.6840, 0.2797, 0.3084

# Trichromacy



## Original Color

77.1733, 0.3369, 0.4671



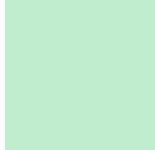
## Protanomaly

76.3084, 0.3753, 0.4467



## Deuteranomaly

75.7320, 0.3552, 0.4020



## Tritanomaly

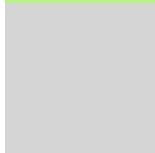
76.1010, 0.3013, 0.3645

# Monochromacy



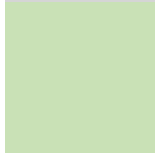
## Original Color

77.1733, 0.3369, 0.4671



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.6453, 0.3237, 0.3792

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1733, 0.3369, 0.4671 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(180, 246, 128)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 128)  
}
```

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(180, 246, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1733, 0.3369, 0.4671 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(180, 246, 128) }
```

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

```
.border{ border-color:rgb(180, 246, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 246, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 128);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1733, 0.3369, 0.4671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 128) }
```

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

```
.background{ background-color: rgb(180,  
246, 128) }
```

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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