

# Converting Colors

$Yxy(51.1281, 0.3477, 0.4247)$

Have a look what the booklet for  
Yxy(51.1281, 0.3477, 0.4247)  
contains.

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# Color

**Yxy(51.1246, 0.3477, 0.4247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C67E
RGB	176, 198, 126
RGB Percent	69%, 78%, 49%
CMY	0.3100, 0.2235, 0.5059
CMYK	0.11, 0.00, 0.36, 0.22
HSL	78°, 39%, 64%
HSV	78°, 36%, 78%
XYZ	41.8555, 51.1246, 27.3981
YIQ	183.2140, 10.0000, -27.0560

# Conversions

## Conversions Part 2

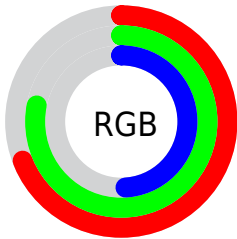
Format	Color
<b>RYB</b>	126, 198, 148
Decimal	11585150
CIELab	76.75, -19.40, 33.66
CIELCh	77, 38.849, 119.963
Yxy	51.1246, 0.3477, 0.4247
Android (android.graphics.Color)	4289775230 (0xFFB0C67E)
YUV	183.2140, -28.2065, -6.3267
Hunter-Lab	71.5015, -20.6374, 27.3322

# Details

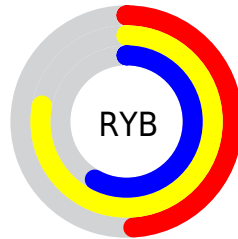
The Yxy color **51.1246, 0.3477, 0.4247** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.3002, 0.2670, 0.2260**, and the grayscale version is **47.6275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9305, 0.3423, 0.4078**, and **24.6059, 0.3543, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **49.9739, 0.3559, 0.4519**, and if you desaturate by 10%, it is **52.4126, 0.3385, 0.3972**.

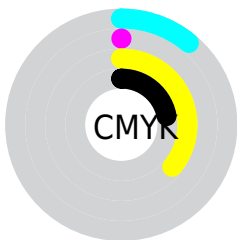
# Distribution



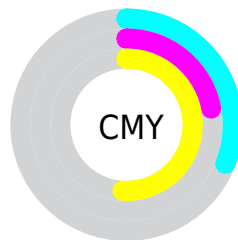
- Red (69%)
- Green (78%)
- Blue (49%)



- Red (49%)
- Yellow (78%)
- Blue (58%)



- Cyan (11%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)




- Cyan (31%)
- Magenta (22%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.1246, 0.3477, 0.4247 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 51.1246, 0.3477, 0.4247 by changing the saturation by 10% instead.





 51.1246, 0.3477,  
0.4247

 51.1246, 0.3477,  
0.4247


391.0477, 0.3318,  
0.3762


 36.3078, 0.3510,  
0.4368


 91.8389, 0.3424,  
0.4071

 24.6720, 0.3549,  
0.4522


 118.5052, 0.3402,  
0.4004

 15.8328, 0.3592,  
0.4725


 149.8901, 0.3384,  
0.3948

 9.4060, 0.3637,  
0.5001

186.3780, 0.3367,  
0.3900

 5.0069, 0.3670,  
0.5391

228.3534, 0.3353,  
0.3859

 2.2513, 0.3789,  
0.6211

276.2005, 0.3340,

 0.7478, 0.2407,

0.3823

0.7593

330.3038, 0.3329,  
0.3791

0.0000, 0.0000,  
0.0000

51.1246, 0.3477,  
0.4247

51.1246, 0.3477,  
0.4247

49.9739, 0.3559,  
0.4519

52.4126, 0.3385,  
0.3972

48.9474, 0.3626,  
0.4776

53.8370, 0.3288,  
0.3703

48.0402, 0.3674,  
0.5007


55.4056, 0.3189,  
0.3446


47.2445, 0.3698,  
0.5200


57.1236, 0.3092,  
0.3205

46.5510, 0.3697,  
0.5347

58.9958, 0.2999,  
0.2982


 45.9481, 0.3672,  
0.5446

 61.0269, 0.2910,  
0.2779

 45.7439, 0.3660,  
0.5476

 62.5870, 0.2888,  
0.2686

 63.5421, 0.2931,  
0.2693

 64.5318, 0.2974,  
0.2701

# Harmonies

## Analogous

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



51.1246, 0.3923, 0.4127



51.1246, 0.3477, 0.4247



51.1246, 0.2959, 0.4052

# Triad

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



51.1246, 0.3477, 0.4247



51.1246, 0.2183, 0.2668



51.1246, 0.3753, 0.2990

# Complementary

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



51.1246, 0.3477, 0.4247



25.3002, 0.2670, 0.2260

# Split Complementary

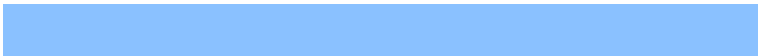
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.1246, 0.3232, 0.2669



51.1246, 0.3477, 0.4247



51.1246, 0.2352, 0.2475

# Square

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



51.1246, 0.3477, 0.4247



51.1246, 0.2236, 0.3063



51.1246, 0.2721, 0.2483



51.1246, 0.4106, 0.3390



# Rectangle

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



51.1246, 0.3477, 0.4247



51.1246, 0.2643, 0.3760



51.1246, 0.2721, 0.2483



51.1246, 0.3589, 0.2871

# Sweetspot

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



51.1269, 0.3477, 0.4247



96.7295, 0.3236, 0.3567



34.5695, 0.3892, 0.3579



20.6227, 0.3250, 0.3603



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

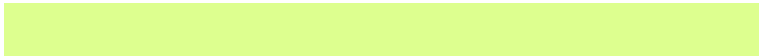


# Same Dimension

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



51.1269, 0.3477, 0.4247



88.8097, 0.3546, 0.4473



47.5129, 0.3184, 0.4342



12.2477, 0.3219, 0.3521



29.7890, 0.3667, 0.5470



1.4473, 0.3780, 0.5380



# Inverse Universe

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



25.3002, 0.2670, 0.2260



36.1731, 0.2537, 0.1995



29.1410, 0.3021, 0.2358



10.4424, 0.3030, 0.3055



3.3298, 0.1718, 0.0720



0.1963, 0.1956, 0.0851



# Previews

## White Background



This preview shows how the Yxy color 51.1246, 0.3477, 0.4247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

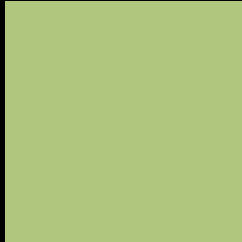
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.1246, 0.3477, 0.4247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

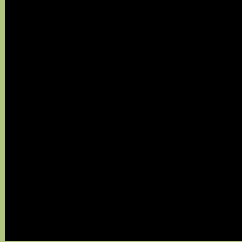
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.1246, 0.3477, 0.4247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.1246, 0.3477, 0.4247.



This preview shows how white text looks on a background with the Yxy color 51.1246, 0.3477, 0.4247.

# 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

51.1246, 0.3477, 0.4247

### Protanopia

50.9221, 0.3808, 0.4112

### Deuteranopia

50.8282, 0.3965, 0.3882



## Tritanopia

51.1461, 0.2999, 0.3116

# Trichromacy



**Original Color**

51.1246, 0.3477, 0.4247

**Protanomaly**

50.7314, 0.3688, 0.4164

**Deuteranomaly**

50.5355, 0.3781, 0.4002

**Tritanomaly**

50.7395, 0.3174, 0.3510

# Monochromacy



**Original Color**

51.1246, 0.3477, 0.4247

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

48.2784, 0.3262, 0.3635

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  51.1246, 0.3477, 0.4247 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(176, 198, 126)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 126)  
}
```

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(176, 198, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 51.1246, 0.3477, 0.4247 is called "border". The border property can be set on classes, ids or directly on the HTML element.

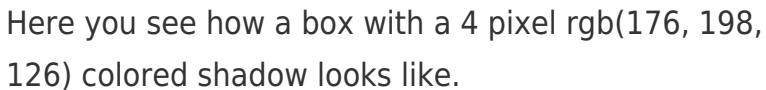
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 198, 126) }
```

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

```
.border{ border-color:rgb(176, 198, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 198, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 198, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 198, 126);  
box-shadow:4px 4px 4px 4px rgb(176, 198,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.1246, 0.3477, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 126) }
```

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

```
.background{ background-color: rgb(176,  
198, 126) }
```

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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