

# Converting Colors

Yxy(51.4307, 0.3571, 0.4571)

Have a look what the booklet for  
Yxy(51.4307, 0.3571, 0.4571)  
contains.

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# Color

**Yxy(51.4307, 0.3571, 0.4571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC968
RGB	171, 201, 104
RGB Percent	67%, 79%, 41%
CMY	0.3294, 0.2117, 0.5922
CMYK	0.15, 0.00, 0.48, 0.21
HSL	79°, 47%, 60%
HSV	79°, 48%, 79%
XYZ	40.1792, 51.4307, 20.9053
YIQ	180.9720, 13.2570, -36.5270

# Conversions

## Conversions Part 2

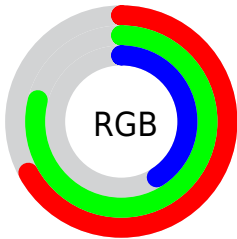
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 201, 134
Decimal	11258216
CIELab	76.94, -25.35, 44.86
CIELCh	77, 51.526, 119.467
Yxy	51.4307, 0.3571, 0.4571
Android (android.graphics.Color)	4289448296 (0xFFABC968)
YUV	180.9720, -37.9472, -8.7454
Hunter-Lab	71.7152, -25.4951, 32.9173

# Details

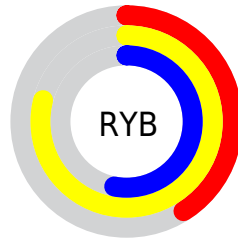
The Yxy color **51.4307, 0.3571, 0.4571** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.1870, 0.2479, 0.1878**, and the grayscale version is **46.3969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4483, 0.3520, 0.4312**, and **24.9064, 0.3644, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **50.3901, 0.3634, 0.4825**, and if you desaturate by 10%, it is **52.6061, 0.3492, 0.4301**.

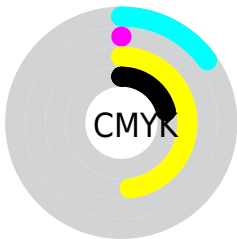
# Distribution



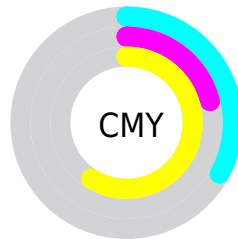
- Red (67%)
- Green (79%)
- Blue (41%)



- Red (41%)
- Yellow (79%)
- Blue (53%)



- Cyan (15%)
- Magenta (0%)
- Yellow (48%)
- Black (21%)




- Cyan (33%)
- Magenta (21%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4307, 0.3571, 0.4571 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 51.4307, 0.3571, 0.4571 by changing the saturation by 10% instead.




 51.4307, 0.3571,  
0.4571


 51.4307, 0.3571,  
0.4571


392.2348, 0.3381,  
0.3923


 36.5515, 0.3606,  
0.4730


 92.2911, 0.3511,  
0.4337


 24.8604, 0.3641,  
0.4930


 119.0411, 0.3486,  
0.4248

 15.9731, 0.3673,  
0.5187


 150.5168, 0.3463,  
0.4173

 9.5051, 0.3687,  
0.5522

 187.1026, 0.3443,  
0.4109

 5.0721, 0.3742,  
0.6124

229.1829, 0.3425,  
0.4053

 2.2896, 0.3451,  
0.6549

277.1421, 0.3409,

 0.7682, 0.1266,

0.4004

0.8734

331.3646, 0.3394,  
0.3961

0.0000, 0.0000,  
0.0000

51.4307, 0.3571,  
0.4571

51.4307, 0.3571,  
0.4571

50.3901, 0.3634,  
0.4825

52.6061, 0.3492,  
0.4301

49.4699, 0.3677,  
0.5050

53.9162, 0.3402,  
0.4025

48.6640, 0.3696,  
0.5236


55.3695, 0.3306,  
0.3753


47.9626, 0.3689,  
0.5374

56.9718, 0.3208,  
0.3493

47.3509, 0.3660,  
0.5466


58.7286, 0.3110,  
0.3249

 47.2498, 0.3654,  
0.5480

 60.6449, 0.3017,  
0.3023

 62.7257, 0.2927,  
0.2816

 64.3278, 0.2905,  
0.2721

 65.3205, 0.2949,  
0.2728

# Harmonies

## Analogous

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



51.4307, 0.4158, 0.4359



51.4307, 0.3571, 0.4571



51.4307, 0.2898, 0.4337

# Triad

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



51.4307, 0.3571, 0.4571



51.4307, 0.1919, 0.2473



51.4307, 0.3943, 0.2886

# Complementary

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



51.4307, 0.3571, 0.4571



19.1870, 0.2479, 0.1878

# 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.



51.4307, 0.3243, 0.2489



51.4307, 0.3571, 0.4571



51.4307, 0.2123, 0.2242

# Square

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



51.4307, 0.3571, 0.4571



51.4307, 0.1983, 0.2979



51.4307, 0.2582, 0.2260



51.4307, 0.4420, 0.3382



# Rectangle

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



51.4307, 0.3571, 0.4571



51.4307, 0.2493, 0.3935



51.4307, 0.2582, 0.2260



51.4307, 0.3721, 0.2739

# Sweetspot

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



51.4330, 0.3571, 0.4571



95.8755, 0.3266, 0.3646



30.2206, 0.4252, 0.3672



20.3953, 0.3287, 0.3704



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.



51.4330, 0.3571, 0.4571



86.1748, 0.3637, 0.4838



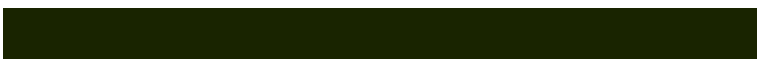
47.0161, 0.3189, 0.4743



12.2461, 0.3218, 0.3522



29.7571, 0.3662, 0.5474



1.4460, 0.3776, 0.5384



# Inverse Universe

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



19.1870, 0.2479, 0.1878



24.5144, 0.2300, 0.1548



24.0149, 0.2971, 0.2057



10.4440, 0.3030, 0.3055



3.3421, 0.1722, 0.0722



0.1970, 0.1960, 0.0853



# Previews

## White Background



This preview shows how the Yxy color 51.4307, 0.3571, 0.4571 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 51.4307, 0.3571, 0.4571 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 51.4307, 0.3571, 0.4571**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4307, 0.3571, 0.4571.



This preview shows how white text looks on a background with the Yxy color 51.4307, 0.3571, 0.4571.

# 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

51.4307, 0.3571, 0.4571

### Protanopia

51.3023, 0.3991, 0.4355

### Deuteranopia

51.1408, 0.4180, 0.4092



## Tritanopia

51.4250, 0.2969, 0.3103

# Trichromacy



**Original Color**

51.4307, 0.3571, 0.4571

**Protanomaly**

51.1253, 0.3835, 0.4441

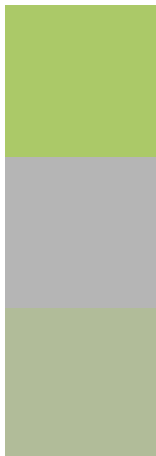
**Deuteranomaly**

50.5833, 0.3953, 0.4261

**Tritanomaly**

50.9944, 0.3200, 0.3630

# Monochromacy



**Original Color**

51.4307, 0.3571, 0.4571

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.6135, 0.3307, 0.3761

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4307, 0.3571, 0.4571 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(171, 201, 104)` looks like.

```
.text, #text, p{  
    color:rgb(171, 201, 104)  
}
```

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(171, 201, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 201, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4307, 0.3571, 0.4571 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(171, 201, 104) }
```

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

```
.border{ border-color:rgb(171, 201, 104) }
```

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

Here you see how a box with a 4 pixel rgb(171, 201, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 201, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 201, 104);  
box-shadow:4px 4px 4px 4px rgb(171, 201,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4307, 0.3571, 0.4571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 201, 104) }
```

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

```
.background{ background-color: rgb(171,  
201, 104) }
```

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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