

# Converting Colors

Yxy(51.6190, 0.3270, 0.4143)

Have a look what the booklet for  
Yxy(51.6190, 0.3270, 0.4143)  
contains.

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# Color

**Yxy(51.4239, 0.3271, 0.4138)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A3C98B
RGB	163, 201, 139
RGB Percent	64%, 79%, 55%
CMY	0.3608, 0.2117, 0.4550
CMYK	0.19, 0.00, 0.31, 0.21
HSL	97°, 36%, 67%
HSV	97°, 31%, 79%
XYZ	40.6495, 51.4239, 32.1990
YIQ	182.5700, -2.7460, -27.3380

# Conversions

## Conversions Part 2

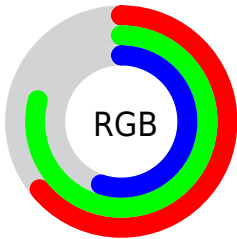
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 201, 177
Decimal	10733963
CIELab	76.94, -23.87, 26.99
CIELCh	77, 36.028, 131.495
Yxy	51.4239, 0.3271, 0.4138
Android (android.graphics.Color)	4288924043 (0xFFA3C98B)
YUV	182.5700, -21.4800, -17.1629
Hunter-Lab	71.7105, -24.3096, 23.5753

# Details

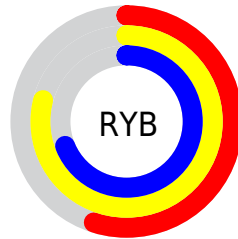
The Yxy color **51.4239, 0.3271, 0.4138** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.0200, 0.2930, 0.2475**, and the grayscale version is **47.2270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4303, 0.3258, 0.3949**, and **24.8870, 0.3293, 0.4400** is the 20% darker color. If you saturate the color by 10%, you get **49.6543, 0.3307, 0.4448**, and if you desaturate by 10%, it is **53.4326, 0.3228, 0.3841**.

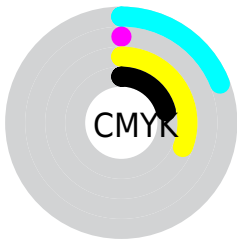
# Distribution



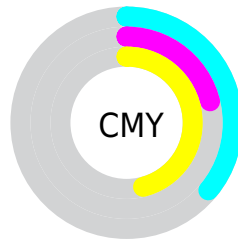
- Red (64%)
- Green (79%)
- Blue (55%)



- Red (55%)
- Yellow (79%)
- Blue (69%)



- Cyan (19%)
- Magenta (0%)
- Yellow (31%)
- Black (21%)




- Cyan (36%)
- Magenta (21%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4239, 0.3271, 0.4138 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 51.4239, 0.3271, 0.4138 by changing the saturation by 10% instead.




 51.4239, 0.3271,  
0.4138


 51.4239, 0.3271,  
0.4138


392.2085, 0.3211,  
0.3705

 36.5461, 0.3282,  
0.4248


 92.2811, 0.3252,  
0.3979

 24.8562, 0.3293,  
0.4391


 119.0292, 0.3244,  
0.3919

 15.9700, 0.3303,  
0.4581

 150.5029, 0.3237,  
0.3870

 9.5029, 0.3308,  
0.4848

187.0865, 0.3231,  
0.3827

 5.0706, 0.3293,  
0.5243

229.1645, 0.3225,  
0.3790

 2.2888, 0.3388,  
0.6193

277.1212, 0.3220,

 0.7678, 0.1607,

0.3758

0.8393

331.3411, 0.3215,  
0.3730

0.0000, 0.0000,  
0.0000

51.4239, 0.3271,  
0.4138

51.4239, 0.3271,  
0.4138

49.6543, 0.3307,  
0.4448

53.4326, 0.3228,  
0.3841

48.1076, 0.3333,  
0.4761

55.6826, 0.3180,  
0.3564

46.7757, 0.3344,  
0.5062


58.1846, 0.3131,  
0.3311

45.6475, 0.3338,  
0.5332

60.9466, 0.3083,  
0.3082


44.7104, 0.3313,  
0.5556

63.9761, 0.3035,  
0.2878

 43.9503, 0.3271,  
0.5721

 66.9822, 0.3020,  
0.2740

 43.3897, 0.3223,  
0.5823

 69.1741, 0.3110,  
0.2755

 70.2562, 0.3152,  
0.2762

# Harmonies

## Analogous

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



51.4239, 0.3726, 0.4139



51.4239, 0.3271, 0.4138



51.4239, 0.2798, 0.3847

# Triad

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



51.4239, 0.3271, 0.4138



51.4239, 0.2284, 0.2621



51.4239, 0.3859, 0.3151

# Complementary

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



51.4239, 0.3271, 0.4138



32.0200, 0.2930, 0.2475

# 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.



51.4239, 0.3419, 0.2814



51.4239, 0.3271, 0.4138



51.4239, 0.2518, 0.2512

# Square

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



51.4239, 0.3271, 0.4138



51.4239, 0.2253, 0.2922



51.4239, 0.2924, 0.2586



51.4239, 0.4089, 0.3537



# Rectangle

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



51.4239, 0.3271, 0.4138



51.4239, 0.2537, 0.3540



51.4239, 0.2924, 0.2586



51.4239, 0.3729, 0.3030

# Sweetspot

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



51.4261, 0.3271, 0.4138



96.0391, 0.3172, 0.3518



45.4084, 0.3675, 0.3766



20.4266, 0.3179, 0.3557



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

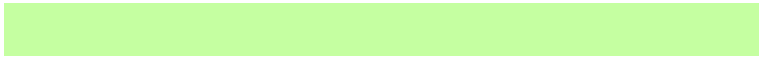


# Same Dimension

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



51.4261, 0.3271, 0.4138



85.9773, 0.3296, 0.4344



49.3128, 0.3044, 0.4095



12.0848, 0.3173, 0.3525



27.3292, 0.3233, 0.5815



1.3357, 0.3403, 0.5680



# Inverse Universe

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



32.0200, 0.2930, 0.2475



47.5635, 0.2874, 0.2287



34.8075, 0.3222, 0.2599



10.6036, 0.3077, 0.3058



5.3603, 0.2268, 0.1023



0.2947, 0.2464, 0.1131



# Previews

## White Background



This preview shows how the Yxy color 51.4239, 0.3271, 0.4138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

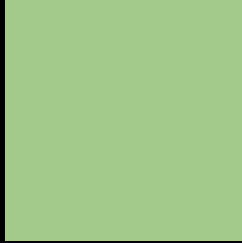
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4239, 0.3271, 0.4138 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

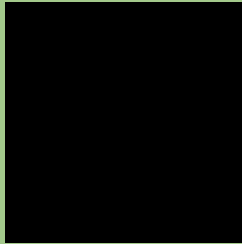
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4239, 0.3271, 0.4138**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4239, 0.3271, 0.4138.



This preview shows how white text looks on a background with the Yxy color 51.4239, 0.3271, 0.4138.

# 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

51.4239, 0.3271, 0.4138

### Protanopia

50.9538, 0.3696, 0.3973

### Deuteranopia

51.1270, 0.3822, 0.3750



## Tritanopia

51.2520, 0.2873, 0.3088

# Trichromacy



**Original Color**

51.4239, 0.3271, 0.4138

**Protanomaly**

50.7363, 0.3532, 0.4027

**Deuteranomaly**

50.7657, 0.3605, 0.3880

**Tritanomaly**

50.9952, 0.3018, 0.3447

# Monochromacy



**Original Color**

51.4239, 0.3271, 0.4138

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

48.8470, 0.3187, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4239, 0.3271, 0.4138 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(163, 201, 139)` looks like.

```
.text, #text, p{  
    color:rgb(163, 201, 139)  
}
```

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(163, 201, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 201, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4239, 0.3271, 0.4138 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(163, 201, 139) }
```

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

```
.border{ border-color:rgb(163, 201, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 201, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 201, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 201, 139);  
box-shadow:4px 4px 4px 4px rgb(163, 201,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4239, 0.3271, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 201, 139) }
```

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

```
.background{ background-color: rgb(163,  
201, 139) }
```

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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