

# Converting Colors

$Yxy(51.3920, 0.3276, 0.3748)$

Have a look what the booklet for  
Yxy(51.3920, 0.3276, 0.3748)  
contains.

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# Color

**Yxy(51.3920, 0.3276, 0.3748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5C3A0
RGB	181, 195, 160
RGB Percent	71%, 76%, 63%
CMY	0.2901, 0.2353, 0.3726
CMYK	0.07, 0.00, 0.18, 0.24
HSL	84°, 23%, 70%
HSV	84°, 18%, 76%
XYZ	44.9200, 51.3920, 40.8065
YIQ	186.8240, 2.8910, -13.8530

# Conversions

## Conversions Part 2

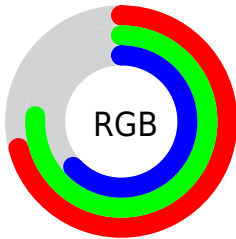
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 195, 174
Decimal	11912096
CIELab	76.92, -11.03, 16.00
CIElCh	77, 19.438, 124.581
Yxy	51.3920, 0.3276, 0.3748
Android (android.graphics.Color)	4290102176 (0xFFB5C3A0)
YUV	186.8240, -13.2242, -5.1076
Hunter-Lab	71.6882, -13.6058, 16.4326

# Details

The Yxy color **51.3920, 0.3276, 0.3748** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.0747, 0.2957, 0.2824**, and the grayscale version is **49.6672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5316, 0.3249, 0.3667**, and **24.7217, 0.3318, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **49.8494, 0.3357, 0.4025**, and if you desaturate by 10%, it is **53.0987, 0.3193, 0.3486**.

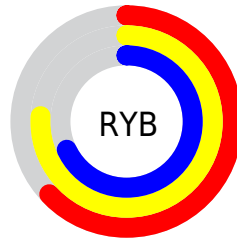
# Distribution



Red (71%)

Green (76%)

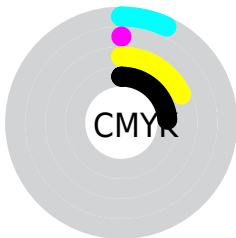
Blue (63%)



Red (63%)

Yellow (76%)

Blue (68%)

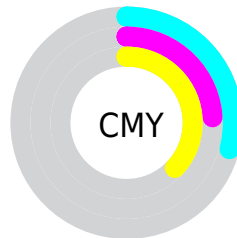


Cyan (7%)

Magenta (0%)

Yellow (18%)

Black (24%)



Cyan (29%)

Magenta (24%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3920, 0.3276, 0.3748 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 51.3920, 0.3276, 0.3748 by changing the saturation by 10% instead.




 51.3920, 0.3276,  
0.3748

 51.3920, 0.3276,  
0.3748


392.0849, 0.3205,  
0.3518

 36.5207, 0.3292,  
0.3806


 92.2340, 0.3251,  
0.3664

 24.8366, 0.3313,  
0.3880

 118.9734, 0.3242,  
0.3633

 15.9554, 0.3338,  
0.3978


150.4376, 0.3233,  
0.3606

 9.4926, 0.3371,  
0.4116

187.0111, 0.3226,  
0.3584

 5.0638, 0.3415,  
0.4321

229.0781, 0.3220,  
0.3564

 2.2848, 0.3470,  
0.4655

277.0232, 0.3215,


 0.7656, 0.3745,


0.3547


0.6255


331.2306, 0.3210,  
0.3532


 0.0000, 0.0000,  
0.0000


 51.3920, 0.3276,  
0.3748


 51.3920, 0.3276,  
0.3748


 49.8494, 0.3357,  
0.4025


 53.0987, 0.3193,  
0.3486


 48.4583, 0.3431,  
0.4310

 54.9684, 0.3110,  
0.3242


 47.2148, 0.3495,  
0.4593

 57.0083, 0.3030,  
0.3018

 46.1121, 0.3543,  
0.4863

 59.2234, 0.2954,  
0.2815

 45.1428, 0.3572,  
0.5107

 61.4569, 0.2897,  
0.2655

■ 44.2986, 0.3577,  
0.5312

■ 62.6996, 0.2954,  
0.2666

■ 43.5699, 0.3559,  
0.5468

■ 63.9996, 0.3010,  
0.2676

■ 42.9427, 0.3520,  
0.5575

■ 65.3576, 0.3068,  
0.2687

■ 42.8223, 0.3511,  
0.5595

■ 66.7744, 0.3126,  
0.2697

# Harmonies

## Analogous

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



51.3920, 0.3507, 0.3733



51.3920, 0.3276, 0.3748



51.3920, 0.3012, 0.3625

# Triad

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



51.3920, 0.3276, 0.3748



51.3920, 0.2640, 0.2959



51.3920, 0.3474, 0.3172

# Complementary

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



51.3920, 0.3276, 0.3748



38.0747, 0.2957, 0.2824

# 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.



51.3920, 0.3228, 0.2986



51.3920, 0.3276, 0.3748



51.3920, 0.2751, 0.2861

# Square

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



51.3920, 0.3276, 0.3748



51.3920, 0.2653, 0.3154



51.3920, 0.2963, 0.2874



51.3920, 0.3626, 0.3392



# Rectangle

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



51.3920, 0.3276, 0.3748



51.3920, 0.2853, 0.3483



51.3920, 0.2963, 0.2874



51.3920, 0.3399, 0.3104

# Sweetspot

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



51.3942, 0.3276, 0.3748



96.0338, 0.3169, 0.3414



44.1854, 0.3440, 0.3465



20.9791, 0.3175, 0.3431



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.



51.3942, 0.3276, 0.3748



90.8001, 0.3312, 0.3868



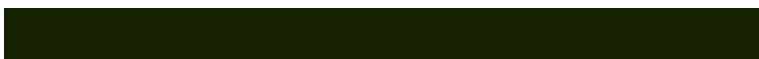
49.4683, 0.3137, 0.3768



11.5513, 0.3205, 0.3522



27.8826, 0.3519, 0.5588



1.2439, 0.3670, 0.5468



# Inverse Universe

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



38.0747, 0.2957, 0.2824



62.0217, 0.2908, 0.2699



40.1450, 0.3110, 0.2845



9.9398, 0.3044, 0.3056



3.6553, 0.1854, 0.0795



0.1980, 0.2115, 0.0939



# Previews

## White Background



This preview shows how the Yxy color 51.3920, 0.3276, 0.3748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

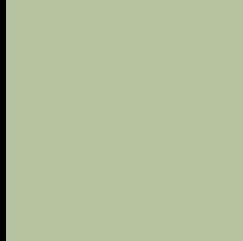
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.3920, 0.3276, 0.3748 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 51.3920, 0.3276, 0.3748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.3920, 0.3276, 0.3748.



This preview shows how white text looks on a background with the Yxy color 51.3920, 0.3276, 0.3748.

# 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

51.3920, 0.3276, 0.3748

### Protanopia

51.1089, 0.3475, 0.3692

### Deuteranopia

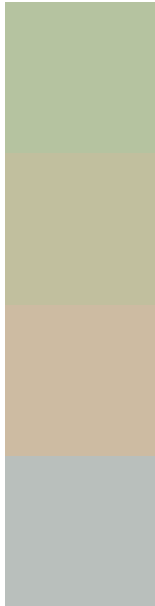
51.4167, 0.3601, 0.3529



## Tritanopia

51.3196, 0.2999, 0.3104

# Trichromacy



## Original Color

51.3920, 0.3276, 0.3748

## Protanomaly

51.0677, 0.3401, 0.3711

## Deuteranomaly

51.1284, 0.3483, 0.3600

## Tritanomaly

51.2067, 0.3101, 0.3328

# Monochromacy



## Original Color

51.3920, 0.3276, 0.3748

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.3155, 0.3185, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.3920, 0.3276, 0.3748 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(181, 195, 160)` looks like.

```
.text, #text, p{  
    color:rgb(181, 195, 160)  
}
```

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(181, 195, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 195, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 51.3920, 0.3276, 0.3748 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(181, 195, 160) }
```

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

```
.border{ border-color:rgb(181, 195, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 195, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 195, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 195, 160);  
box-shadow:4px 4px 4px 4px rgb(181, 195,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.3920, 0.3276, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 195, 160) }
```

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

```
.background{ background-color: rgb(181,  
195, 160) }
```

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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