

# Converting Colors

Yxy(51.9776, 0.3296, 0.3884)

Have a look what the booklet for  
Yxy(51.9776, 0.3296, 0.3884)  
contains.

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# Color

**Yxy(52.0352, 0.3290, 0.3884)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | B1C699                     |
| RGB         | 177, 198, 153              |
| RGB Percent | 69%, 78%, 60%              |
| CMY         | 0.3058, 0.2235, 0.4000     |
| CMYK        | 0.11, 0.00, 0.23, 0.22     |
| HSL         | 88°, 28%, 69%              |
| HSV         | 88°, 23%, 78%              |
| XYZ         | 44.0772, 52.0352, 37.8608  |
| YIQ         | 186.5910, 1.9290, -18.4470 |

# Conversions

## Conversions Part 2

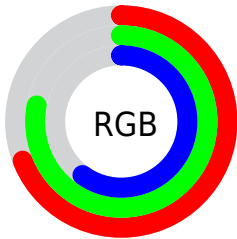
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 153, 198, 174                  |
| Decimal                             | 11650713                       |
| CIELab                              | 77.30, -15.15, 20.23           |
| CIELCh                              | 77, 25.269, 126.830            |
| Yxy                                 | 52.0352, 0.3290,<br>0.3884     |
| Android<br>(android.graphics.Color) | 4289840793<br>(0xFFB1C699)     |
| YUV                                 | 186.5910, -16.5604,<br>-8.4113 |
| Hunter-Lab                          | 72.1354, -17.1675,<br>19.3760  |

# Details

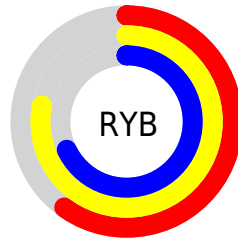
The Yxy color **52.0352, 0.3290, 0.3884** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.8617, 0.2931, 0.2692**, and the grayscale version is **49.5480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3977, 0.3261, 0.3772**, and **25.1909, 0.3324, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **50.3880, 0.3357, 0.4172**, and if you desaturate by 10%, it is **53.8690, 0.3219, 0.3610**.

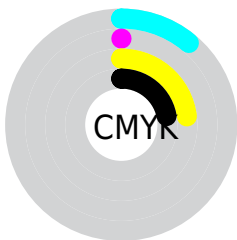
# Distribution



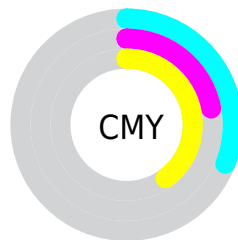
- Red (69%)
- Green (78%)
- Blue (60%)



- Red (60%)
- Yellow (78%)
- Blue (68%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)




- Cyan (31%)
- Magenta (22%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0352, 0.3290, 0.3884 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 52.0352, 0.3290, 0.3884 by changing the saturation by 10% instead.





 52.0352, 0.3290,  
0.3884

 52.0352, 0.3290,  
0.3884


394.5725, 0.3215,  
0.3585

 37.0331, 0.3307,  
0.3959


 93.1832, 0.3264,  
0.3775

 25.2331, 0.3327,  
0.4056

 120.0978, 0.3254,  
0.3734

 16.2508, 0.3351,  
0.4185


151.7522, 0.3245,  
0.3699

 9.7018, 0.3381,  
0.4365

188.5305, 0.3238,  
0.3670

 5.2017, 0.3415,  
0.4631

230.8174, 0.3231,  
0.3644

 2.3661, 0.3463,  
0.5092

278.9970, 0.3225,

 0.8084, 0.3302,

0.3622

0.6698

333.4539, 0.3220,  
0.3602

0.0000, 0.0000,  
0.0000

52.0352, 0.3290,  
0.3884

52.0352, 0.3290,  
0.3884

50.3880, 0.3357,  
0.4172

53.8690, 0.3219,  
0.3610

48.9137, 0.3415,  
0.4466

55.8889, 0.3147,  
0.3356

47.6074, 0.3461,  
0.4755


58.1033, 0.3075,  
0.3122

46.4611, 0.3489,  
0.5027


60.5178, 0.3007,  
0.2911

45.4662, 0.3497,  
0.5266


63.1380, 0.2941,  
0.2720


 44.6126, 0.3482,  
0.5460

 64.8386, 0.2988,  
0.2703

 43.8890, 0.3445,  
0.5600

 66.4295, 0.3055,  
0.2715

 43.4298, 0.3409,  
0.5675

 68.1029, 0.3123,  
0.2727

 68.8691, 0.3153,  
0.2732

# Harmonies

## Analogous

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



52.0352, 0.3596, 0.3870



52.0352, 0.3290, 0.3884



52.0352, 0.2951, 0.3712

# Triad

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



52.0352, 0.3290, 0.3884



52.0352, 0.2509, 0.2846



52.0352, 0.3597, 0.3156

# Complementary

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



52.0352, 0.3290, 0.3884



35.8617, 0.2931, 0.2692

# 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.



52.0352, 0.3281, 0.2917



52.0352, 0.3290, 0.3884



52.0352, 0.2660, 0.2737

# Square

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



52.0352, 0.3290, 0.3884



52.0352, 0.2512, 0.3086



52.0352, 0.2937, 0.2766



52.0352, 0.3784, 0.3436



# Rectangle

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



52.0352, 0.3290, 0.3884



52.0352, 0.2752, 0.3517



52.0352, 0.2937, 0.2766



52.0352, 0.3501, 0.3069

# Sweetspot

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



52.0375, 0.3290, 0.3884



97.3577, 0.3178, 0.3465



44.2916, 0.3531, 0.3552



20.7915, 0.3183, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

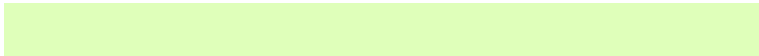


# Same Dimension

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



52.0375, 0.3290, 0.3884



90.7398, 0.3322, 0.4017



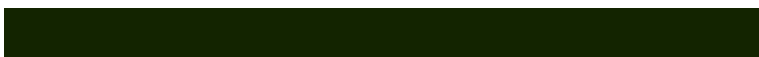
49.6835, 0.3115, 0.3917



12.1617, 0.3195, 0.3523



28.2943, 0.3419, 0.5667



1.3825, 0.3574, 0.5544



# Inverse Universe

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



35.8617, 0.2931, 0.2692



57.3488, 0.2882, 0.2557



38.5653, 0.3132, 0.2728



10.5260, 0.3054, 0.3056



4.1941, 0.1969, 0.0858



0.2416, 0.2205, 0.0989



# Previews

## White Background



This preview shows how the Yxy color 52.0352, 0.3290, 0.3884 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

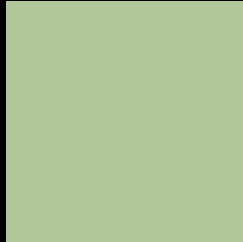
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0352, 0.3290, 0.3884 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

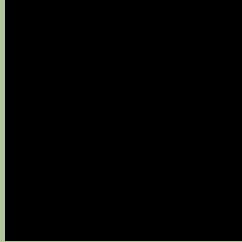
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0352, 0.3290, 0.3884**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0352, 0.3290, 0.3884.



This preview shows how white text looks on a background with the Yxy color 52.0352, 0.3290, 0.3884.

# 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

52.0352, 0.3290, 0.3884

### Protanopia

51.6933, 0.3563, 0.3800

### Deuteranopia

51.6394, 0.3688, 0.3610



## Tritanopia

52.0321, 0.2970, 0.3104

# Trichromacy



## Original Color

52.0352, 0.3290, 0.3884

## Protanomaly

51.8113, 0.3468, 0.3837

## Deuteranomaly

51.3121, 0.3538, 0.3699

## Tritanomaly

52.1165, 0.3083, 0.3379

# Monochromacy



## Original Color

52.0352, 0.3290, 0.3884

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.4240, 0.3183, 0.3497

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0352, 0.3290, 0.3884 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(177, 198, 153)` looks like.

```
.text, #text, p{  
    color:rgb(177, 198, 153)  
}
```

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(177, 198, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 198, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0352, 0.3290, 0.3884 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(177, 198, 153) }
```

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

```
.border{ border-color:rgb(177, 198, 153) }
```

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

Here you see how a box with a 4 pixel rgb(177, 198, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 198, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 198, 153);  
box-shadow:4px 4px 4px 4px rgb(177, 198,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0352, 0.3290, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 198, 153) }
```

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

```
.background{ background-color: rgb(177,  
198, 153) }
```

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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