

# Converting Colors

$Yxy(53.3371, 0.3346, 0.3885)$

Have a look what the booklet for  
Yxy(53.3371, 0.3346, 0.3885)  
contains.

<b>Yxy(53.3371, 0.3346, 0.3885)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.3371, 0.3346, 0.3885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8C799
RGB	184, 199, 153
RGB Percent	72%, 78%, 60%
CMY	0.2785, 0.2196, 0.4000
CMYK	0.08, 0.00, 0.23, 0.22
HSL	80°, 29%, 69%
HSV	80°, 23%, 78%
XYZ	45.9372, 53.3371, 38.0156
YIQ	189.2710, 5.8260, -17.4860

# Conversions

## Conversions Part 2

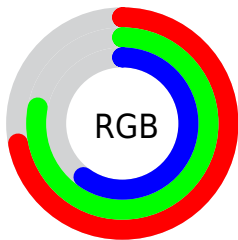
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 199, 168
Decimal	12109721
CIELab	78.07, -13.11, 21.37
CIElCh	78, 25.064, 121.524
Yxy	53.3371, 0.3346, 0.3885
Android (android.graphics.Color)	4290299801 (0xFFB8C799)
YUV	189.2710, -17.8816, -4.6227
Hunter-Lab	73.0323, -15.5302, 20.2603

# Details

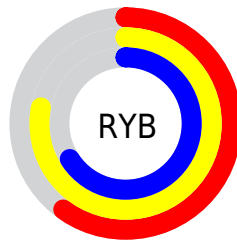
The Yxy color **53.3371, 0.3346, 0.3885** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.2401, 0.2869, 0.2671**, and the grayscale version is **51.1537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5993, 0.3307, 0.3765**, and **26.0354, 0.3400, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **51.9510, 0.3437, 0.4161**, and if you desaturate by 10%, it is **54.8745, 0.3251, 0.3618**.

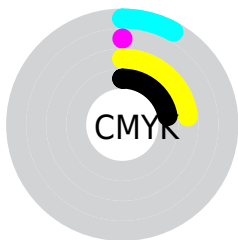
# Distribution



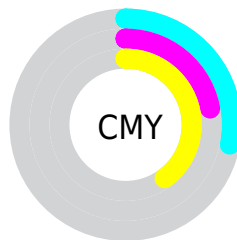
- Red (72%)
- Green (78%)
- Blue (60%)



- Red (60%)
- Yellow (78%)
- Blue (66%)



- Cyan (8%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)




- Cyan (28%)
- Magenta (22%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3371, 0.3346, 0.3885 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 53.3371, 0.3346, 0.3885 by changing the saturation by 10% instead.





 53.3371, 0.3346,  
0.3885

 53.3371, 0.3346,  
0.3885

399.5771, 0.3244,  
0.3587

 38.0719, 0.3369,  
0.3959

 95.1002, 0.3310,  
0.3777

 26.0385, 0.3398,  
0.4054


 122.3670, 0.3297,  
0.3736

 16.8525, 0.3433,  
0.4179


154.4031, 0.3285,  
0.3702

 10.1294, 0.3477,  
0.4352

191.5929, 0.3274,  
0.3673

 5.4848, 0.3532,  
0.4605

234.3208, 0.3265,  
0.3647

 2.5344, 0.3611,  
0.5029

282.9712, 0.3257,

 0.8938, 0.3721,

0.3625

0.6279

337.9285, 0.3250,  
0.3605

0.0000, 0.0000,  
0.0000

53.3371, 0.3346,  
0.3885

53.3371, 0.3346,  
0.3885

51.9510, 0.3437,  
0.4161

54.8745, 0.3251,  
0.3618

50.7032, 0.3519,  
0.4437

56.5617, 0.3156,  
0.3365

49.5897, 0.3588,  
0.4704

58.4063, 0.3063,  
0.3130

48.6035, 0.3639,  
0.4949

60.4131, 0.2974,  
0.2915

47.7368, 0.3667,  
0.5160

62.5870, 0.2890,  
0.2718

■ 46.9807, 0.3671,  
0.5326

■ 63.7591, 0.2920,  
0.2702

■ 46.3245, 0.3650,  
0.5444

■ 64.8121, 0.2967,  
0.2710

■ 45.9178, 0.3626,  
0.5503

■ 65.9051, 0.3014,  
0.2718

■ 67.0387, 0.3061,  
0.2726

# Harmonies

## Analogous

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



53.3371, 0.3632, 0.3840



53.3371, 0.3346, 0.3885



53.3371, 0.3011, 0.3746

# Triad

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



53.3371, 0.3346, 0.3885



53.3371, 0.2508, 0.2886



53.3371, 0.3541, 0.3112

# Complementary

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



53.3371, 0.3346, 0.3885



35.2401, 0.2869, 0.2671

# 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.



53.3371, 0.3218, 0.2889



53.3371, 0.3346, 0.3885



53.3371, 0.2631, 0.2754

# Square

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



53.3371, 0.3346, 0.3885



53.3371, 0.2539, 0.3142



53.3371, 0.2885, 0.2759



53.3371, 0.3753, 0.3385



# Rectangle

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



53.3371, 0.3346, 0.3885



53.3371, 0.2807, 0.3568



53.3371, 0.2885, 0.2759



53.3371, 0.3441, 0.3030

# Sweetspot

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



53.3394, 0.3346, 0.3885



97.8136, 0.3194, 0.3464



42.2936, 0.3557, 0.3479



20.8972, 0.3200, 0.3479



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

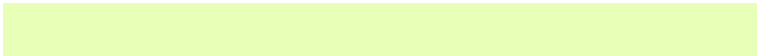


# Same Dimension

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



53.3394, 0.3346, 0.3885



92.0642, 0.3395, 0.4031



50.7751, 0.3163, 0.3920



12.2366, 0.3216, 0.3522



29.5721, 0.3633, 0.5497



1.4383, 0.3753, 0.5402



# Inverse Universe

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



35.2401, 0.2869, 0.2671



54.5907, 0.2798, 0.2512



37.9321, 0.3075, 0.2707



10.4530, 0.3033, 0.3055



3.4174, 0.1745, 0.0735



0.2013, 0.1985, 0.0867



# Previews

## White Background



This preview shows how the Yxy color 53.3371, 0.3346, 0.3885 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 53.3371, 0.3346, 0.3885 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

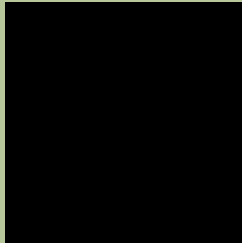
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

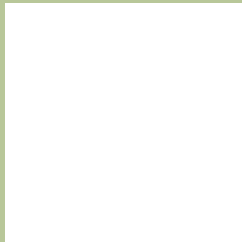
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.3371, 0.3346, 0.3885**

## Background



This preview shows how black text looks on a background with the Yxy color 53.3371, 0.3346, 0.3885.



This preview shows how white text looks on a background with the Yxy color 53.3371, 0.3346, 0.3885.

# 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

53.3371, 0.3346, 0.3885

### Protanopia

53.0231, 0.3576, 0.3807

### Deuteranopia

52.9455, 0.3708, 0.3630



## Tritanopia

53.4107, 0.3017, 0.3108

# Trichromacy



## Original Color

53.3371, 0.3346, 0.3885

## Protanomaly

53.2703, 0.3490, 0.3842

## Deuteranomaly

52.7488, 0.3568, 0.3717

## Tritanomaly

53.4369, 0.3138, 0.3390

# Monochromacy



## Original Color

53.3371, 0.3346, 0.3885

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.8393, 0.3207, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3371, 0.3346, 0.3885 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(184, 199, 153)` looks like.

```
.text, #text, p{  
    color:rgb(184, 199, 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(184, 199, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 199, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3371, 0.3346, 0.3885 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(184, 199, 153) }
```

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

```
.border{ border-color:rgb(184, 199, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 199, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 199, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 199, 153);  
box-shadow:4px 4px 4px 4px rgb(184, 199,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3371, 0.3346, 0.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 199, 153) }
```

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

```
.background{ background-color: rgb(184,  
199, 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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