

# Converting Colors

$Y_{xy}(53.2200, 0.3480, 0.3912)$

Have a look what the booklet for  
Yxy(53.2200, 0.3480, 0.3912)  
contains.

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# Color

**Yxy(53.0558, 0.3483, 0.3911)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2C493
RGB	194, 196, 147
RGB Percent	76%, 77%, 58%
CMY	0.2393, 0.2313, 0.4235
CMYK	0.01, 0.00, 0.25, 0.23
HSL	62°, 29%, 67%
HSV	62°, 25%, 77%
XYZ	47.2496, 53.0558, 35.3524
YIQ	189.8160, 14.5370, -15.6630

# Conversions

## Conversions Part 2

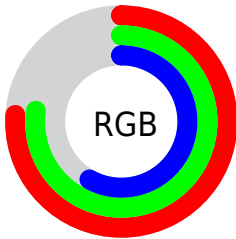
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 196, 149
Decimal	12764307
CIELab	77.91, -8.69, 24.45
CIELCh	78, 25.946, 109.566
Yxy	53.0558, 0.3483, 0.3911
Android (android.graphics.Color)	4290954387 (0xFFC2C493)
YUV	189.8160, -21.1083, 3.6694
Hunter-Lab	72.8394, -11.6792, 22.2113

# Details

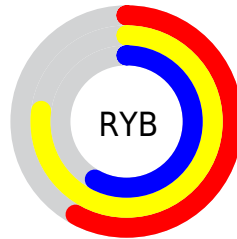
The Yxy color **53.0558, 0.3483, 0.3911** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.2455, 0.2720, 0.2591**, and the grayscale version is **51.4978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9768, 0.3425, 0.3806**, and **25.7660, 0.3575, 0.4076** is the 20% darker color. If you saturate the color by 10%, you get **52.3869, 0.3623, 0.4160**, and if you desaturate by 10%, it is **53.8349, 0.3339, 0.3659**.

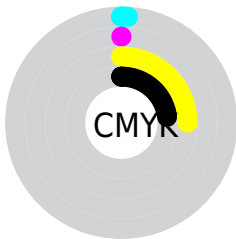
# Distribution



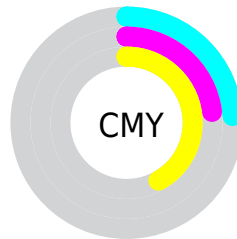
- Red (76%)
- Green (77%)
- Blue (58%)



- Red (58%)
- Yellow (77%)
- Blue (58%)



- Cyan (1%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)




- Cyan (24%)
- Magenta (23%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0558, 0.3483, 0.3911 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 53.0558, 0.3483, 0.3911 by changing the saturation by 10% instead.




 53.0558, 0.3483,  
0.3911

 53.0558, 0.3483,  
0.3911


398.4992, 0.3313,  
0.3603

 37.8473, 0.3522,  
0.3987


 94.6865, 0.3423,  
0.3800

 25.8642, 0.3571,  
0.4083


 121.8775, 0.3400,  
0.3758

 16.7221, 0.3633,  
0.4208


153.8314, 0.3381,  
0.3722

 10.0365, 0.3712,  
0.4379

190.9327, 0.3364,  
0.3692

 5.4232, 0.3816,  
0.4622

233.5657, 0.3349,  
0.3665

 2.4976, 0.4013,  
0.5074

282.1149, 0.3335,

 0.8755, 0.4146,

0.3642

0.5854

336.9645, 0.3324,  
0.3621

0.0000, 0.0000,  
0.0000

53.0558, 0.3483,  
0.3911

53.0558, 0.3483,  
0.3911

52.3869, 0.3623,  
0.4160

53.8349, 0.3339,  
0.3659

51.8157, 0.3755,  
0.4396

54.7220, 0.3197,  
0.3411

51.3389, 0.3872,  
0.4609

55.7241, 0.3059,  
0.3173

50.9500, 0.3970,  
0.4791

56.8456, 0.2929,  
0.2948

50.6420, 0.4044,  
0.4934

58.0906, 0.2807,  
0.2739

■ 50.4065, 0.4092,  
0.5034

■ 58.8288, 0.2751,  
0.2640

■ 50.2334, 0.4115,  
0.5091

■ 58.9404, 0.2756,  
0.2641

■ 50.1602, 0.4121,  
0.5110

■ 59.0526, 0.2762,  
0.2642

■ 59.1653, 0.2768,  
0.2643

# Harmonies

## Analogous

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



53.0558, 0.3734, 0.3795



53.0558, 0.3483, 0.3911



53.0558, 0.3145, 0.3844

# Triad

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



53.0558, 0.3483, 0.3911



53.0558, 0.2480, 0.2963



53.0558, 0.3431, 0.3005

# Complementary

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



53.0558, 0.3483, 0.3911



31.2455, 0.2720, 0.2591

# 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.



53.0558, 0.3079, 0.2808



53.0558, 0.3483, 0.3911



53.0558, 0.2545, 0.2773

# Square

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



53.0558, 0.3483, 0.3911



53.0558, 0.2575, 0.3266



53.0558, 0.2758, 0.2722



53.0558, 0.3708, 0.3272



# Rectangle

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



53.0558, 0.3483, 0.3911



53.0558, 0.2917, 0.3696



53.0558, 0.2758, 0.2722



53.0558, 0.3316, 0.2929

# Sweetspot

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



53.0582, 0.3483, 0.3911



98.5947, 0.3241, 0.3487



35.2223, 0.3643, 0.3313



21.0500, 0.3263, 0.3525



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.



53.0582, 0.3483, 0.3911



95.4167, 0.3560, 0.4048



50.1237, 0.3278, 0.3954



11.7363, 0.3258, 0.3518



32.2352, 0.4122, 0.5109



1.3995, 0.4139, 0.5096



# Inverse Universe

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



31.2455, 0.2720, 0.2591



49.1661, 0.2615, 0.2413



33.7528, 0.2938, 0.2633



9.7675, 0.2989, 0.3052



2.6039, 0.1515, 0.0608



0.1195, 0.1571, 0.0639



# Previews

## White Background



This preview shows how the Yxy color 53.0558, 0.3483, 0.3911 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

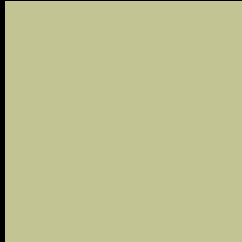
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0558, 0.3483, 0.3911 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

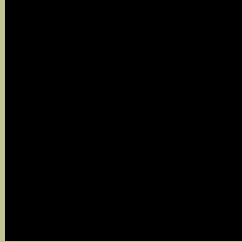
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

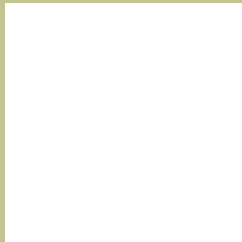
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.0558, 0.3483, 0.3911**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0558, 0.3483, 0.3911.



This preview shows how white text looks on a background with the Yxy color 53.0558, 0.3483, 0.3911.

# 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

53.0558, 0.3483, 0.3911

### Protanopia

52.8654, 0.3616, 0.3868

### Deuteranopia

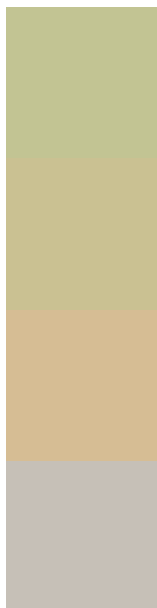
53.0366, 0.3786, 0.3709



## Tritanopia

53.1245, 0.3119, 0.3122

# Trichromacy



## Original Color

53.0558, 0.3483, 0.3911

## Protanomaly

52.7718, 0.3569, 0.3874

## Deuteranomaly

52.8295, 0.3673, 0.3784

## Tritanomaly

53.1239, 0.3245, 0.3401

# Monochromacy



## Original Color

53.0558, 0.3483, 0.3911

## Achromatopsia

51.4918, 0.3127, 0.3290

## Achromatomaly

51.8316, 0.3256, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0558, 0.3483, 0.3911 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(194, 196, 147)` looks like.

```
.text, #text, p{  
    color:rgb(194, 196, 147)  
}
```

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(194, 196, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 196, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0558, 0.3483, 0.3911 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(194, 196, 147) }
```

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

```
.border{ border-color:rgb(194, 196, 147) }
```

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

Here you see how a box with a 4 pixel rgb(194, 196, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 196, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 196, 147);  
box-shadow:4px 4px 4px 4px rgb(194, 196,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0558, 0.3483, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 196, 147) }
```

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

```
.background{ background-color: rgb(194,  
196, 147) }
```

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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