

# Converting Colors

Yxy(53.7770, 0.3387, 0.4118)

Have a look what the booklet for  
Yxy(53.7770, 0.3387, 0.4118)  
contains.

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# Color

**Yxy(53.5701, 0.3392, 0.4116)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2CA8B
RGB	178, 202, 139
RGB Percent	70%, 79%, 55%
CMY	0.3018, 0.2079, 0.4550
CMYK	0.12, 0.00, 0.31, 0.21
HSL	83°, 37%, 67%
HSV	83°, 31%, 79%
XYZ	44.1472, 53.5701, 32.4336
YIQ	187.6420, 5.9190, -24.6810

# Conversions

## Conversions Part 2

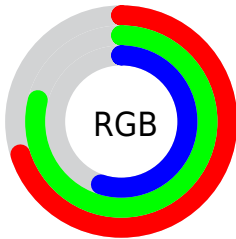
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 202, 163
Decimal	11717259
CIELab	78.21, -18.86, 28.86
CIELCh	78, 34.477, 123.161
Yxy	53.5701, 0.3392, 0.4116
Android (android.graphics.Color)	4289907339 (0xFFB2CA8B)
YUV	187.6420, -23.9805, -8.4560
Hunter-Lab	73.1916, -20.4190, 24.9608

# Details

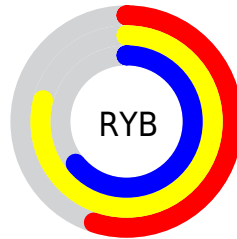
The Yxy color **53.5701, 0.3392, 0.4116** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.5056, 0.2790, 0.2433**, and the grayscale version is **50.2161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8627, 0.3356, 0.3929**, and **26.2444, 0.3453, 0.4356** is the 20% darker color. If you saturate the color by 10%, you get **52.1522, 0.3467, 0.4400**, and if you desaturate by 10%, it is **55.1527, 0.3310, 0.3837**.

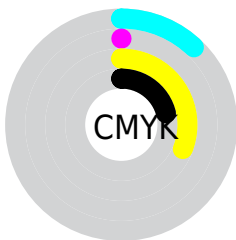
# Distribution



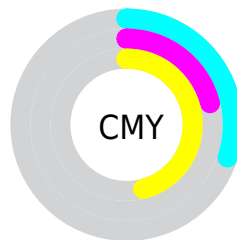
- Red (70%)
- Green (79%)
- Blue (55%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (21%)




- Cyan (30%)
- Magenta (21%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5701, 0.3392, 0.4116 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 53.5701, 0.3392, 0.4116 by changing the saturation by 10% instead.





 53.5701, 0.3392,  
0.4116

 53.5701, 0.3392,  
0.4116


400.4685, 0.3272,  
0.3700


 38.2581, 0.3417,  
0.4220

 95.4427, 0.3352,  
0.3965

 26.1830, 0.3447,  
0.4352


 122.7721, 0.3336,  
0.3908

 16.9606, 0.3482,  
0.4527


 154.8761, 0.3322,  
0.3860

 10.2064, 0.3520,  
0.4766

192.1391, 0.3309,  
0.3819

 5.5360, 0.3554,  
0.5111

234.9454, 0.3298,  
0.3783

 2.5651, 0.3709,  
0.5884

283.6795, 0.3289,

 0.9091, 0.3074,

0.3752

0.6926

338.7257, 0.3280,  
0.3725

0.0000, 0.0000,  
0.0000

53.5701, 0.3392,  
0.4116

53.5701, 0.3392,  
0.4116

52.1522, 0.3467,  
0.4400

55.1527, 0.3310,  
0.3837

50.8851, 0.3529,  
0.4678

56.8992, 0.3224,  
0.3569

49.7636, 0.3575,  
0.4938


58.8179, 0.3137,  
0.3319

48.7795, 0.3599,  
0.5167


60.9146, 0.3053,  
0.3088

47.9236, 0.3599,  
0.5353

63.1945, 0.2972,  
0.2877

 47.1849, 0.3575,  
0.5488

 65.3244, 0.2929,  
0.2736

 46.6143, 0.3539,  
0.5572

 66.5800, 0.2983,  
0.2744

 67.8918, 0.3039,  
0.2753

 69.2604, 0.3094,  
0.2762

# Harmonies

## Analogous

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



53.5701, 0.3794, 0.4048



53.5701, 0.3392, 0.4116



53.5701, 0.2937, 0.3914

# Triad

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



53.5701, 0.3392, 0.4116



53.5701, 0.2299, 0.2719



53.5701, 0.3717, 0.3063

# Complementary

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



53.5701, 0.3392, 0.4116



30.5056, 0.2790, 0.2433

# 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.



53.5701, 0.3272, 0.2765



53.5701, 0.3392, 0.4116



53.5701, 0.2470, 0.2563

# Square

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



53.5701, 0.3392, 0.4116



53.5701, 0.2326, 0.3053



53.5701, 0.2816, 0.2586



53.5701, 0.4000, 0.3425



# Rectangle

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



53.5701, 0.3392, 0.4116



53.5701, 0.2665, 0.3652



53.5701, 0.2816, 0.2586



53.5701, 0.3579, 0.2954

# Sweetspot

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



53.5725, 0.3392, 0.4116



96.9918, 0.3206, 0.3516



40.2919, 0.3738, 0.3590



20.6611, 0.3218, 0.3554



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

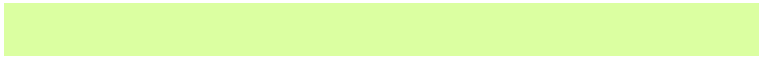


# Same Dimension

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



53.5725, 0.3392, 0.4116



89.1617, 0.3440, 0.4295



50.3414, 0.3147, 0.4182



12.8754, 0.3208, 0.3523



30.0499, 0.3547, 0.5565



1.5929, 0.3674, 0.5465



# Inverse Universe

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



30.5056, 0.2790, 0.2433



44.3927, 0.2704, 0.2238



34.1412, 0.3081, 0.2503



11.0483, 0.3041, 0.3055



3.8011, 0.1821, 0.0777



0.2393, 0.2047, 0.0901



# Previews

## White Background



This preview shows how the Yxy color 53.5701, 0.3392, 0.4116 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 53.5701, 0.3392, 0.4116 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

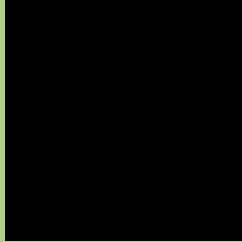
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.5701, 0.3392, 0.4116**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5701, 0.3392, 0.4116.



This preview shows how white text looks on a background with the Yxy color 53.5701, 0.3392, 0.4116.

# 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

53.5701, 0.3392, 0.4116

### Protanopia

53.2991, 0.3708, 0.3997

### Deuteranopia

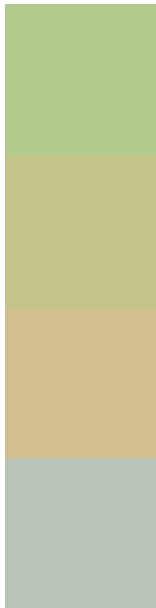
53.1751, 0.3855, 0.3775



## Tritanopia

53.3854, 0.2979, 0.3106

# Trichromacy



**Original Color**

53.5701, 0.3392, 0.4116

**Protanomaly**

53.1277, 0.3593, 0.4043

**Deuteranomaly**

52.9162, 0.3679, 0.3886

**Tritanomaly**

53.0891, 0.3127, 0.3455

# Monochromacy



**Original Color**

53.5701, 0.3392, 0.4116

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

51.2326, 0.3227, 0.3587

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5701, 0.3392, 0.4116 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(178, 202, 139)` looks like.

```
.text, #text, p{  
    color:rgb(178, 202, 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(178, 202, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 202, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5701, 0.3392, 0.4116 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(178, 202, 139) }
```

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

```
.border{ border-color:rgb(178, 202, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 202, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 202, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 202, 139); box-shadow:4px 4px 4px 4px rgb(178, 202, 139) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5701, 0.3392, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 202, 139) }
```

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

```
.background{ background-color: rgb(178,  
202, 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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