

# Converting Colors

Yxy(63.9930, 0.3458, 0.4052)

Have a look what the booklet for  
Yxy(63.9930, 0.3458, 0.4052)  
contains.

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# Color

**Yxy(63.9353, 0.3461, 0.4055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAD898
RGB	202, 216, 152
RGB Percent	79%, 85%, 60%
CMY	0.2080, 0.1529, 0.4040
CMYK	0.07, 0.00, 0.30, 0.15
HSL	73°, 45%, 72%
HSV	73°, 30%, 85%
XYZ	54.5697, 63.9353, 39.1653
YIQ	204.5180, 12.2000, -22.8720

# Conversions

## Conversions Part 2

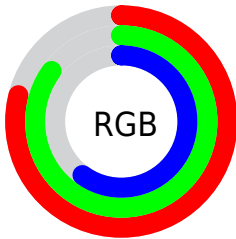
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 216, 166
Decimal	13293720
CIELab	83.93, -15.17, 30.06
CIELCh	84, 33.673, 116.785
Yxy	63.9353, 0.3461, 0.4055
Android (android.graphics.Color)	4291483800 (0xFFCAD898)
YUV	204.5180, -25.8914, -2.2083
Hunter-Lab	79.9596, -18.1090, 26.9306

# Details

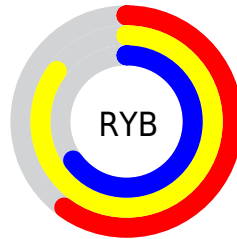
The Yxy color **63.9353, 0.3461, 0.4055** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.5256, 0.2721, 0.2456**, and the grayscale version is **60.8862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2850, 0.3412, 0.3760**, and **32.6129, 0.3534, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **62.6418, 0.3566, 0.4321**, and if you desaturate by 10%, it is **65.3837, 0.3349, 0.3788**.

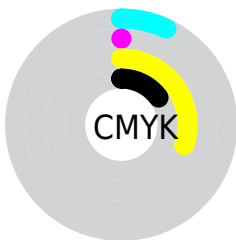
# Distribution



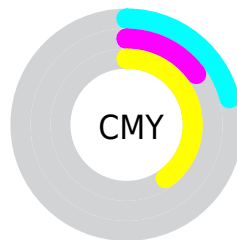
- Red (79%)
- Green (85%)
- Blue (60%)



- Red (60%)
- Yellow (85%)
- Blue (65%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)




- Cyan (21%)
- Magenta (15%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9353, 0.3461, 0.4055 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 63.9353, 0.3461, 0.4055 by changing the saturation by 10% instead.





 63.9353, 0.3461,  
0.4055


 63.9353, 0.3461,  
0.4055


438.9560, 0.3311,  
0.3684

 46.5983, 0.3493,  
0.4143


 110.5178, 0.3410,  
0.3923

 32.7182, 0.3532,  
0.4254

 140.5320, 0.3390,  
0.3873

 21.9106, 0.3579,  
0.4396


175.5407, 0.3372,  
0.3830

 13.7913, 0.3634,  
0.4585

215.9283, 0.3357,  
0.3793

 7.9756, 0.3699,  
0.4846

262.0793, 0.3343,  
0.3761

 4.0794, 0.3768,  
0.5229

314.3780, 0.3331,

 1.7181, 0.3950,

0.3732

0.6050

373.2087, 0.3320,  
0.3707

0.4353, 0.0905,  
0.9095

0.0000, 0.0000,  
0.0000

63.9353, 0.3461,  
0.4055

63.9353, 0.3461,  
0.4055

62.6418, 0.3566,  
0.4321

65.3837, 0.3349,  
0.3788

61.4876, 0.3660,  
0.4577

66.9852, 0.3235,  
0.3528

60.4676, 0.3736,  
0.4811

68.7489, 0.3123,  
0.3281

59.5731, 0.3791,  
0.5013

70.6805, 0.3015,  
0.3051

■ 58.7942, 0.3821,  
0.5173

■ 72.4595, 0.2943,  
0.2886

■ 58.1192, 0.3824,  
0.5286

■ 73.2361, 0.2975,  
0.2890

■ 57.5280, 0.3806,  
0.5358

■ 74.0341, 0.3007,  
0.2894

■ 57.5075, 0.3806,  
0.5360

■ 74.8537, 0.3040,  
0.2898

■ 75.6950, 0.3073,  
0.2902

# Harmonies

## Analogous

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



63.9353, 0.3805, 0.3951



63.9353, 0.3461, 0.4055



63.9353, 0.3041, 0.3920

# Triad

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



63.9353, 0.3461, 0.4055



63.9353, 0.2349, 0.2818



63.9353, 0.3591, 0.3016

# Complementary

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



63.9353, 0.3461, 0.4055



35.5256, 0.2721, 0.2456

# Split Complementary

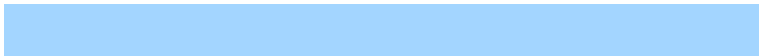
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.9353, 0.3169, 0.2757



63.9353, 0.3461, 0.4055



63.9353, 0.2471, 0.2634

# Square

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



63.9353, 0.3461, 0.4055



63.9353, 0.2415, 0.3157



63.9353, 0.2762, 0.2619



63.9353, 0.3893, 0.3345



# Rectangle

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



63.9353, 0.3461, 0.4055



63.9353, 0.2777, 0.3705



63.9353, 0.2762, 0.2619



63.9353, 0.3457, 0.2919

# Sweetspot

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



63.9381, 0.3461, 0.4055



97.6651, 0.3229, 0.3514



44.0914, 0.3737, 0.3461



20.8275, 0.3246, 0.3552



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.



63.9381, 0.3461, 0.4055



91.8045, 0.3532, 0.4234



59.9493, 0.3217, 0.4118



14.3759, 0.3233, 0.3523



34.0809, 0.3812, 0.5356



2.0904, 0.3881, 0.5300



# Inverse Universe

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



35.5256, 0.2721, 0.2456



43.5983, 0.2609, 0.2239



39.4014, 0.2998, 0.2519



12.1389, 0.3015, 0.3051



3.3380, 0.1620, 0.0666



0.2385, 0.1791, 0.0760



# Previews

## White Background



This preview shows how the Yxy color 63.9353, 0.3461, 0.4055 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 63.9353, 0.3461, 0.4055 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

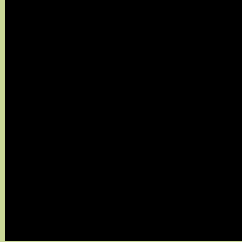
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 63.9353, 0.3461, 0.4055**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9353, 0.3461, 0.4055.



This preview shows how white text looks on a background with the Yxy color 63.9353, 0.3461, 0.4055.

# 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

63.9353, 0.3461, 0.4055

### Protanopia

63.7784, 0.3689, 0.3969

### Deuteranopia

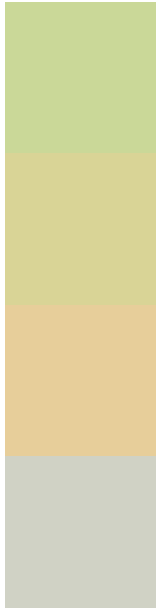
63.4493, 0.3860, 0.3772



## Tritanopia

63.8022, 0.3047, 0.3110

# Trichromacy



**Original Color**

63.9353, 0.3461, 0.4055

**Protanomaly**

64.0407, 0.3607, 0.4006

**Deuteranomaly**

63.4646, 0.3712, 0.3871

**Tritanomaly**

63.5343, 0.3203, 0.3441

# Monochromacy



**Original Color**

63.9353, 0.3461, 0.4055

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

61.9835, 0.3251, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9353, 0.3461, 0.4055 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(202, 216, 152)` looks like.

```
.text, #text, p{  
    color:rgb(202, 216, 152)  
}
```

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(202, 216, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 216, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9353, 0.3461, 0.4055 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(202, 216, 152) }
```

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

```
.border{ border-color:rgb(202, 216, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 216, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 216, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 216, 152);  
box-shadow:4px 4px 4px 4px rgb(202, 216,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9353, 0.3461, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 216, 152) }
```

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

```
.background{ background-color: rgb(202,  
216, 152) }
```

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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