

# Converting Colors

Yxy(60.9914, 0.3384, 0.3830)

Have a look what the booklet for  
Yxy(60.9914, 0.3384, 0.3830)  
contains.

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# Color

**Yxy(60.8741, 0.3386, 0.3821)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CAD1A5
RGB	202, 209, 165
RGB Percent	79%, 82%, 65%
CMY	0.2079, 0.1803, 0.3530
CMYK	0.03, 0.00, 0.21, 0.18
HSL	70°, 32%, 73%
HSV	70°, 21%, 82%
XYZ	53.9439, 60.8741, 44.4966
YIQ	201.8910, 9.9520, -15.1680

# Conversions

## Conversions Part 2

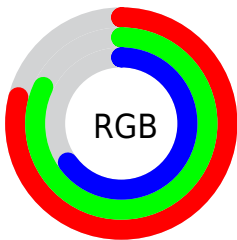
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 209, 172
Decimal	13291941
CIELab	82.31, -9.78, 21.08
CIELCh	82, 23.243, 114.889
Yxy	60.8741, 0.3386, 0.3821
Android (android.graphics.Color)	4291482021 (0xFFCAD1A5)
YUV	201.8910, -18.1873, 0.0956
Hunter-Lab	78.0219, -13.1243, 20.8017

# Details

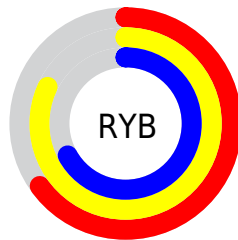
The Yxy color  $60.8741, 0.3386, 0.3821$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $40.2820, 0.2834, 0.2719$ , and the grayscale version is  $59.1011, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.9473, 0.3333, 0.3631$ , and  $30.9308, 0.3450, 0.3964$  is the 20% darker color. If you saturate the color by 10%, you get  $59.7163, 0.3508, 0.4083$ , and if you desaturate by 10%, it is  $62.1717, 0.3262, 0.3563$ .

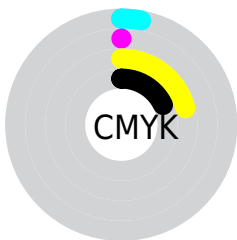
# Distribution



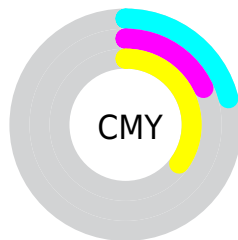
- Red (79%)
- Green (82%)
- Blue (65%)



- Red (65%)
- Yellow (82%)
- Blue (67%)



- Cyan (3%)
- Magenta (0%)
- Yellow (21%)
- Black (18%)




- Cyan (21%)
- Magenta (18%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8741, 0.3386, 0.3821 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 60.8741, 0.3386, 0.3821 by changing the saturation by 10% instead.



 60.8741, 0.3386,  
0.3821

 60.8741, 0.3386,  
0.3821


427.8122, 0.3265,  
0.3563

 44.1236, 0.3413,  
0.3883


 106.0966, 0.3344,  
0.3729

 30.7677, 0.3447,  
0.3961


 135.3374, 0.3328,  
0.3694

 20.4220, 0.3489,  
0.4063


169.5104, 0.3314,  
0.3664

 12.7022, 0.3543,  
0.4200

209.0000, 0.3302,  
0.3638

 7.2238, 0.3614,  
0.4393

254.1906, 0.3291,  
0.3616

 3.6024, 0.3707,  
0.4684

305.4665, 0.3281,

 1.4538, 0.4235,

0.3596

0.5726

363.2123, 0.3273,  
0.3579

0.2558, 0.0168,  
0.9832

0.0000, 0.0000,  
0.0000

60.8741, 0.3386,  
0.3821

60.8741, 0.3386,  
0.3821

59.7163, 0.3508,  
0.4083

62.1717, 0.3262,  
0.3563

58.6841, 0.3622,  
0.4340


63.6068, 0.3140,  
0.3316

57.7737, 0.3725,  
0.4584

65.1874, 0.3022,  
0.3082


56.9779, 0.3809,  
0.4802


66.9185, 0.2911,  
0.2866

 56.2885, 0.3871,  
0.4986

 67.8361, 0.2893,  
0.2805

 55.6963, 0.3908,  
0.5127

 68.3581, 0.2916,  
0.2808

 55.1904, 0.3919,  
0.5222

 68.8905, 0.2939,  
0.2812

 54.7938, 0.3912,  
0.5276

 69.4334, 0.2962,  
0.2815

 69.9869, 0.2985,  
0.2818

# Harmonies

## Analogous

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



60.8741, 0.3619, 0.3752



60.8741, 0.3386, 0.3821



60.8741, 0.3091, 0.3732

# Triad

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



60.8741, 0.3386, 0.3821



60.8741, 0.2568, 0.2975



60.8741, 0.3437, 0.3082

# Complementary

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



60.8741, 0.3386, 0.3821



40.2820, 0.2834, 0.2719

# 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.



60.8741, 0.3141, 0.2897



60.8741, 0.3386, 0.3821



60.8741, 0.2649, 0.2829

# Square

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



60.8741, 0.3386, 0.3821



60.8741, 0.2627, 0.3222



60.8741, 0.2855, 0.2805



60.8741, 0.3652, 0.3322



# Rectangle

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



60.8741, 0.3386, 0.3821



60.8741, 0.2900, 0.3593



60.8741, 0.2855, 0.2805



60.8741, 0.3343, 0.3013

# Sweetspot

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



60.8768, 0.3386, 0.3821



98.5929, 0.3201, 0.3438



45.6224, 0.3531, 0.3373



21.0712, 0.3209, 0.3454



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

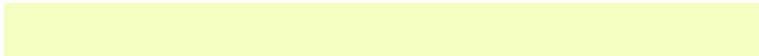


# Same Dimension

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



60.8768, 0.3386, 0.3821



94.6724, 0.3438, 0.3932



58.0738, 0.3216, 0.3850



13.6981, 0.3242, 0.3521



33.8157, 0.3916, 0.5273



1.9170, 0.3970, 0.5230



# Inverse Universe

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



40.2820, 0.2834, 0.2719



57.0682, 0.2765, 0.2589



42.9262, 0.3017, 0.2749



11.5071, 0.3006, 0.3051



3.0697, 0.1572, 0.0640



0.2008, 0.1725, 0.0724



# Previews

## White Background



This preview shows how the Yxy color 60.8741, 0.3386, 0.3821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

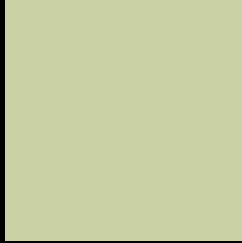
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8741, 0.3386, 0.3821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

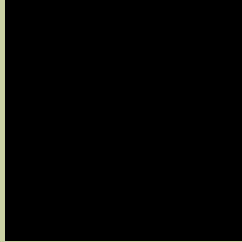
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

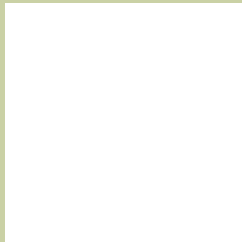
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8741, 0.3386, 0.3821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8741, 0.3386, 0.3821.



This preview shows how white text looks on a background with the Yxy color 60.8741, 0.3386, 0.3821.

# 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

60.8741, 0.3386, 0.3821

### Protanopia

60.5818, 0.3535, 0.3769

### Deuteranopia

60.7642, 0.3683, 0.3612



## Tritanopia

60.8583, 0.3067, 0.3108

# Trichromacy



## Original Color

60.8741, 0.3386, 0.3821

## Protanomaly

60.8200, 0.3481, 0.3786

## Deuteranomaly

60.4106, 0.3570, 0.3680

## Tritanomaly

60.9080, 0.3177, 0.3360

# Monochromacy



## Original Color

60.8741, 0.3386, 0.3821

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.8933, 0.3218, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8741, 0.3386, 0.3821 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, 209, 165)` looks like.

```
.text, #text, p{  
    color:rgb(202, 209, 165)  
}
```

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, 209, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 209, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8741, 0.3386, 0.3821 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, 209, 165) }
```

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

```
.border{ border-color:rgb(202, 209, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 209, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 209, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 209, 165);  
box-shadow:4px 4px 4px 4px rgb(202, 209,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8741, 0.3386, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 209, 165) }
```

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

```
.background{ background-color: rgb(202,  
209, 165) }
```

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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