

# Converting Colors

$Y_{xy}(42.3820, 0.4001, 0.4344)$

Have a look what the booklet for  
Yxy(42.3820, 0.4001, 0.4344)  
contains.

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# Color

**Yxy(42.3823, 0.3998, 0.4338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1AE5C
RGB	193, 174, 92
RGB Percent	76%, 68%, 36%
CMY	0.2432, 0.3176, 0.6390
CMYK	0.00, 0.10, 0.52, 0.24
HSL	49°, 45%, 56%
HSV	49°, 52%, 76%
XYZ	39.0605, 42.3823, 16.2573
YIQ	170.3330, 37.6460, -21.4740

# Conversions

## Conversions Part 2

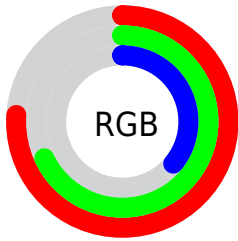
Format	Color
<a href="#">RYB</a>	<a href="#">115, 193, 92</a>
Decimal	<a href="#">12693084</a>
CIELab	<a href="#">71.13, -3.84, 44.13</a>
CIELCh	<a href="#">71, 44.295, 94.972</a>
Yxy	<a href="#">42.3823, 0.3998, 0.4338</a>
Android (android.graphics.Color)	<a href="#">4290883164 (0xFFC1AE5C)</a>
YUV	<a href="#">170.3330, -38.6182, 19.8790</a>
Hunter-Lab	<a href="#">65.1017, -6.8294, 30.7652</a>

# Details

The Yxy color **42.3823, 0.3998, 0.4338** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **17.5041, 0.2192, 0.1944**, and the grayscale version is **40.5585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5615, 0.3852, 0.4154**, and **19.4046, 0.4203, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **40.7046, 0.4160, 0.4499**, and if you desaturate by 10%, it is **44.1879, 0.3826, 0.4152**.

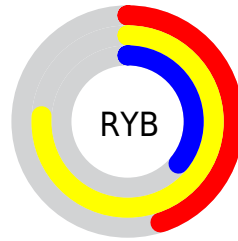
# Distribution



Red (76%)

Green (68%)

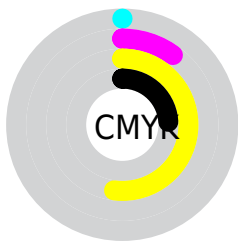
Blue (36%)



Red (45%)

Yellow (76%)

Blue (36%)

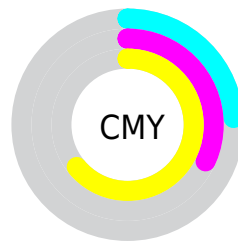


Cyan (0%)

Magenta (10%)

Yellow (52%)

Black (24%)



Cyan (24%)

Magenta (32%)


Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3823, 0.3998, 0.4338 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 42.3823, 0.3998, 0.4338 by changing the saturation by 10% instead.





 42.3823, 0.3998,  
0.4338


 42.3823, 0.3998,  
0.4338


356.0653, 0.3576,  
0.3820

 29.4008, 0.4093,  
0.4459


 78.7779, 0.3851,  
0.4155


 19.3842, 0.4206,  
0.4606


 102.9607, 0.3794,  
0.4084

 11.9482, 0.4339,  
0.4785


 131.6461, 0.3744,  
0.4024

 6.7084, 0.4494,  
0.5007

 165.2185, 0.3702,  
0.3971

 3.2804, 0.4691,  
0.5309

204.0622, 0.3664,  
0.3926

 1.2798, 0.4623,  
0.5377

248.5616, 0.3631,

 0.1255, 0.1693,

0.3886

0.8307

299.1012, 0.3602,  
0.3851

■ 0.0000, 0.0000,  
0.0000

■ 42.3823, 0.3998,  
0.4338

■ 42.3823, 0.3998,  
0.4338

■ 40.7046, 0.4160,  
0.4499

■ 44.1879, 0.3826,  
0.4152

■ 39.1419, 0.4304,  
0.4626

■ 46.1216, 0.3652,  
0.3950

■ 37.6881, 0.4424,  
0.4710

■ 48.1912, 0.3480,  
0.3742

■ 36.3339, 0.4516,  
0.4748

■ 50.4020, 0.3316,  
0.3535

■ 35.3463, 0.4571,  
0.4753

■ 52.7588, 0.3161,  
0.3335

■ 55.2665, 0.3018,  
0.3144

■ 57.9293, 0.2887,  
0.2966

■ 60.7515, 0.2769,  
0.2801

■ 63.0258, 0.2722,  
0.2755

# Harmonies

## Analogous

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



42.3823, 0.4350, 0.3955



42.3823, 0.3998, 0.4338



42.3823, 0.3431, 0.4454

# Triad

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



42.3823, 0.3998, 0.4338



42.3823, 0.2037, 0.2907



42.3823, 0.3358, 0.2605

# Complementary

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



42.3823, 0.3998, 0.4338



17.5041, 0.2192, 0.1944

# 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.



42.3823, 0.2727, 0.2358



42.3823, 0.3998, 0.4338



42.3823, 0.2022, 0.2481

# Square

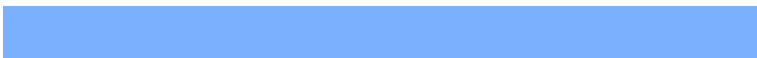
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.3823, 0.3998, 0.4338



42.3823, 0.2310, 0.3536



42.3823, 0.2259, 0.2305



42.3823, 0.3979, 0.3000



# Rectangle

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



42.3823, 0.3998, 0.4338



42.3823, 0.3014, 0.4301



42.3823, 0.2259, 0.2305



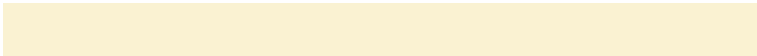
42.3823, 0.3138, 0.2504

# Sweetspot

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



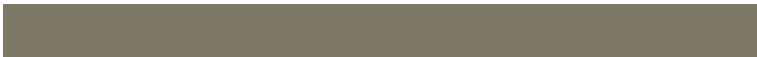
42.3843, 0.3998, 0.4338



88.6846, 0.3380, 0.3616



20.1741, 0.4311, 0.3024



18.8497, 0.3414, 0.3659



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



42.3843, 0.3998, 0.4338



72.4232, 0.4185, 0.4523



46.6664, 0.3606, 0.4669



11.4258, 0.3269, 0.3476



23.6212, 0.4565, 0.4757



1.1058, 0.4468, 0.4834



# Inverse Universe

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



17.5041, 0.2192, 0.1944



23.1330, 0.1976, 0.1594



15.6741, 0.2404, 0.1750



10.0478, 0.2983, 0.3097



3.5005, 0.1553, 0.0791



0.2460, 0.1664, 0.1189



# Previews

## White Background



This preview shows how the Yxy color 42.3823, 0.3998, 0.4338 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

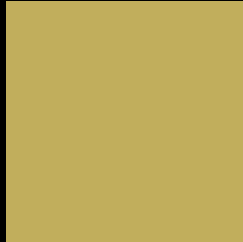
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.3823, 0.3998, 0.4338 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 42.3823, 0.3998, 0.4338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.3823, 0.3998, 0.4338.



This preview shows how white text looks on a background with the Yxy color 42.3823, 0.3998, 0.4338.

# 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

42.3823, 0.3998, 0.4338

### Protanopia

42.2513, 0.3989, 0.4343

### Deuteranopia

42.2267, 0.4234, 0.4148



## Tritanopia

42.1428, 0.3361, 0.3127

# Trichromacy



## Original Color

42.3823, 0.3998, 0.4338

## Protanomaly

42.2513, 0.3989, 0.4343

## Deuteranomaly

42.2881, 0.4152, 0.4219

## Tritanomaly

42.0864, 0.3611, 0.3577

# Monochromacy



## Original Color

42.3823, 0.3998, 0.4338

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.5438, 0.3444, 0.3693

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3823, 0.3998, 0.4338 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(193, 174, 92)` looks like.

```
.text, #text, p{  
    color:rgb(193, 174, 92)  
}
```

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(193, 174, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 174, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3823, 0.3998, 0.4338 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(193, 174, 92) }
```

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

```
.border{ border-color:rgb(193, 174, 92) }
```

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

Here you see how a box with a 4 pixel rgb(193, 174, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 174, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 174, 92);  
box-shadow:4px 4px 4px 4px rgb(193, 174,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3823, 0.3998, 0.4338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 174, 92) }
```

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

```
.background{ background-color: rgb(193,  
174, 92) }
```

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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