

# Converting Colors

$Y_{xy}(44.1701, 0.3830, 0.4158)$

Have a look what the booklet for  
Yxy(44.1701, 0.3830, 0.4158)  
contains.

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# Color

**Yxy(44.3259, 0.3827, 0.4160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1B26F
RGB	193, 178, 111
RGB Percent	76%, 70%, 44%
CMY	0.2432, 0.3019, 0.5646
CMYK	0.00, 0.08, 0.42, 0.24
HSL	49°, 40%, 60%
HSV	49°, 42%, 76%
XYZ	40.7777, 44.3259, 21.4490
YIQ	174.8470, 30.4470, -17.6570

# Conversions

## Conversions Part 2

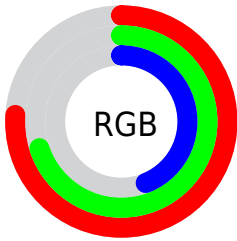
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 193, 111
Decimal	12694127
CIELab	72.45, -4.12, 36.12
CIELCh	72, 36.356, 96.514
Yxy	44.3259, 0.3827, 0.4160
Android (android.graphics.Color)	4290884207 (0xFFC1B26F)
YUV	174.8470, -31.4766, 15.9202
Hunter-Lab	66.5777, -7.1828, 27.5032

# Details

The Yxy color  $44.3259, 0.3827, 0.4160$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $22.1452, 0.2382, 0.2231$ , and the grayscale version is  $42.9406, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.0352, 0.3705, 0.4004$ , and  $20.6728, 0.3999, 0.4395$  is the 20% darker color. If you saturate the color by 10%, you get  $42.5636, 0.3997, 0.4347$ , and if you desaturate by 10%, it is  $46.2201, 0.3653, 0.3958$ .

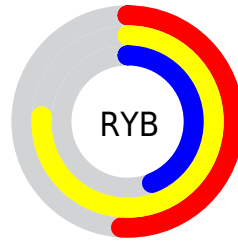
# Distribution



Red (76%)

Green (70%)

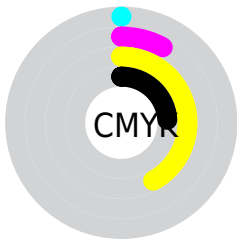
Blue (44%)



Red (51%)

Yellow (76%)

Blue (44%)

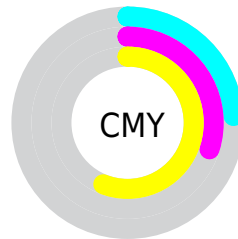


Cyan (0%)

Magenta (8%)

Yellow (42%)

Black (24%)



Cyan (24%)

Magenta (30%)

Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.3259, 0.3827, 0.4160 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 44.3259, 0.3827, 0.4160 by changing the saturation by 10% instead.





 44.3259, 0.3827,  
0.4160


 44.3259, 0.3827,  
0.4160


364.0365, 0.3485,  
0.3726


 30.9268, 0.3907,  
0.4265


 81.7079, 0.3706,  
0.4004

 20.5431, 0.4005,  
0.4396


 106.4596, 0.3659,  
0.3945

 12.7904, 0.4126,  
0.4562


 135.7643, 0.3620,  
0.3895

 7.2844, 0.4275,  
0.4775

 170.0064, 0.3585,  
0.3851

 3.6406, 0.4564,  
0.5179

209.5703, 0.3555,  
0.3814

 1.4746, 0.4617,  
0.5383

254.8403, 0.3529,

 0.2708, 0.3665,

0.3781

0.6335

306.2009, 0.3506,  
0.3752

0.0000, 0.0000,  
0.0000

44.3259, 0.3827,  
0.4160

44.3259, 0.3827,  
0.4160

42.5636, 0.3997,  
0.4347

46.2201, 0.3653,  
0.3958

40.9209, 0.4157,  
0.4509

48.2458, 0.3482,  
0.3749

39.3928, 0.4299,  
0.4635


50.4104, 0.3318,  
0.3540

37.9714, 0.4416,  
0.4719


52.7186, 0.3164,  
0.3338

36.6474, 0.4506,  
0.4757

55.1753, 0.3021,  
0.3147

 35.7015, 0.4558,  
0.4763

 57.7847, 0.2889,  
0.2967

 60.5510, 0.2770,  
0.2800

 62.7906, 0.2721,  
0.2749

 64.5080, 0.2725,  
0.2789

# Harmonies

## Analogous

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



44.3259, 0.4116, 0.3872



44.3259, 0.3827, 0.4160



44.3259, 0.3362, 0.4214

# Triad

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



44.3259, 0.3827, 0.4160



44.3259, 0.2221, 0.2968



44.3259, 0.3347, 0.2738

# Complementary

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



44.3259, 0.3827, 0.4160



22.1452, 0.2382, 0.2231

# 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.



44.3259, 0.2830, 0.2523



44.3259, 0.3827, 0.4160



44.3259, 0.2217, 0.2620

# Square

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



44.3259, 0.3827, 0.4160



44.3259, 0.2444, 0.3467



44.3259, 0.2429, 0.2474



44.3259, 0.3837, 0.3077



# Rectangle

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



44.3259, 0.3827, 0.4160



44.3259, 0.3020, 0.4074



44.3259, 0.2429, 0.2474



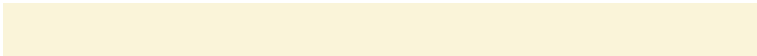
44.3259, 0.3169, 0.2650

# Sweetspot

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



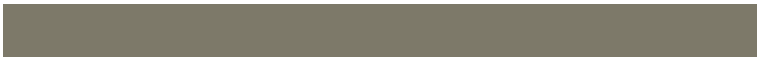
44.3279, 0.3827, 0.4160



90.0198, 0.3330, 0.3555



24.2135, 0.4009, 0.3088



19.1231, 0.3366, 0.3602



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.



44.3279, 0.3827, 0.4160



76.4600, 0.3986, 0.4335



47.4944, 0.3521, 0.4415



11.4355, 0.3269, 0.3477



23.8603, 0.4553, 0.4767



1.1142, 0.4459, 0.4841



# Inverse Universe

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



22.1452, 0.2382, 0.2231



31.5371, 0.2200, 0.1951



20.5368, 0.2582, 0.2070



10.0388, 0.2983, 0.3096



3.4557, 0.1551, 0.0782



0.2420, 0.1659, 0.1173



# Previews

## White Background



This preview shows how the Yxy color 44.3259, 0.3827, 0.4160 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

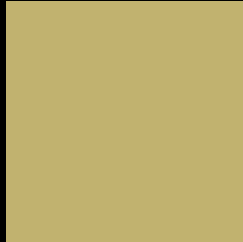
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.3259, 0.3827, 0.4160 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 44.3259, 0.3827, 0.4160**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.3259, 0.3827, 0.4160.



This preview shows how white text looks on a background with the Yxy color 44.3259, 0.3827, 0.4160.

# 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

44.3259, 0.3827, 0.4160

### Protanopia

44.4578, 0.3837, 0.4157

### Deuteranopia

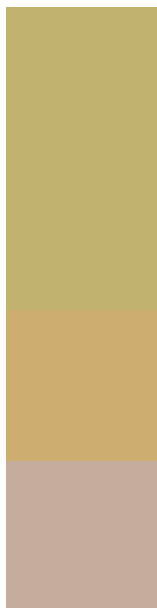
44.2378, 0.4058, 0.3981



## Tritanopia

44.2123, 0.3300, 0.3116

# Trichromacy



## Original Color

44.3259, 0.3827, 0.4160

## Protanomaly

44.4578, 0.3837, 0.4157

## Deuteranomaly

44.1788, 0.3972, 0.4050

## Tritanomaly

43.9451, 0.3499, 0.3484

# Monochromacy



## Original Color

44.3259, 0.3827, 0.4160

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.2628, 0.3383, 0.3615

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.3259, 0.3827, 0.4160 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, 178, 111)` looks like.

```
.text, #text, p{  
    color:rgb(193, 178, 111)  
}
```

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, 178, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 178, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 44.3259, 0.3827, 0.4160 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, 178, 111) }
```

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

```
.border{ border-color:rgb(193, 178, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 178, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 178, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 178, 111);  
box-shadow:4px 4px 4px 4px rgb(193, 178,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.3259, 0.3827, 0.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 178, 111) }
```

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

```
.background{ background-color: rgb(193,  
178, 111) }
```

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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