

# Converting Colors

Yxy(44.4827, 0.3628, 0.3845)

Have a look what the booklet for  
Yxy(44.4827, 0.3628, 0.3845)  
contains.

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# Color

**Yxy(44.5310, 0.3631, 0.3842)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1B187
RGB	193, 177, 135
RGB Percent	76%, 69%, 53%
CMY	0.2432, 0.3059, 0.4707
CMYK	0.00, 0.08, 0.30, 0.24
HSL	43°, 32%, 64%
HSV	43°, 30%, 76%
XYZ	42.0854, 44.5310, 29.2894
YIQ	176.9960, 23.0180, -9.6700

# Conversions

## Conversions Part 2

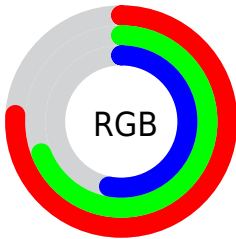
Format	Color
<a href="#">RYB</a>	<a href="#">157, 193, 135</a>
Decimal	<a href="#">12693895</a>
CIELab	<a href="#">72.58, -0.72, 23.62</a>
CIELCh	<a href="#">73, 23.633, 91.753</a>
Yxy	<a href="#">44.5310, 0.3631, 0.3842</a>
Android (android.graphics.Color)	<a href="#">4290883975</a> ( <a href="#">0xFFC1B187</a> )
YUV	<a href="#">176.9960, -20.7040, 14.0355</a>
Hunter-Lab	<a href="#">66.7316, -4.2062, 20.6889</a>

# Details

The Yxy color  $44.5310, 0.3631, 0.3842$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $31.1205, 0.2630, 0.2668$ , and the grayscale version is  $44.0657, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.2327, 0.3541, 0.3751$ , and  $20.8121, 0.3772, 0.4002$  is the 20% darker color. If you saturate the color by 10%, you get  $41.9776, 0.3820, 0.4028$ , and if you desaturate by 10%, it is  $47.2689, 0.3451, 0.3654$ .

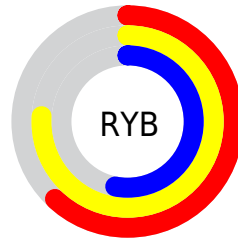
# Distribution



Red (76%)

Green (69%)

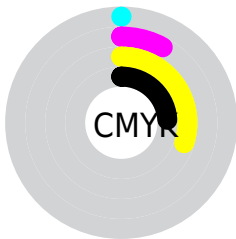
Blue (53%)



Red (62%)

Yellow (76%)

Blue (53%)

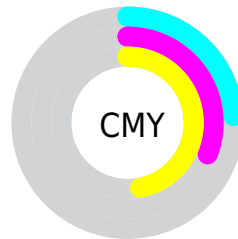


Cyan (0%)

Magenta (8%)

Yellow (30%)

Black (24%)



Cyan (24%)

Magenta (31%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5310, 0.3631, 0.3842 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 44.5310, 0.3631, 0.3842 by changing the saturation by 10% instead.





 44.5310, 0.3631,  
0.3842

 44.5310, 0.3631,  
0.3842


364.8708, 0.3379,  
0.3565

 31.0882, 0.3693,  
0.3910


 82.0162, 0.3540,  
0.3742

 20.6660, 0.3772,  
0.3998


 106.8273, 0.3506,  
0.3704

 12.8801, 0.3875,  
0.4112


 136.1967, 0.3476,  
0.3672

 7.3460, 0.4014,  
0.4267

170.5087, 0.3452,  
0.3645

 3.6794, 0.4207,  
0.4484

210.1477, 0.3430,  
0.3621

 1.4959, 0.4829,  
0.5171

255.4981, 0.3411,

 0.2858, 0.4705,

0.3600

0.5295

306.9443, 0.3394,  
0.3582

0.0000, 0.0000,  
0.0000

44.5310, 0.3631,  
0.3842

44.5310, 0.3631,  
0.3842

41.9776, 0.3820,  
0.4028

47.2689, 0.3451,  
0.3654

39.5963, 0.4014,  
0.4202

50.1911, 0.3282,  
0.3469

37.3824, 0.4205,  
0.4356

53.3050, 0.3128,  
0.3291

35.3285, 0.4385,  
0.4478

56.6158, 0.2988,  
0.3124

33.4261, 0.4545,  
0.4559

60.1285, 0.2862,  
0.2968

■ 31.6657, 0.4677,  
0.4592

■ 63.8479, 0.2748,  
0.2824

■ 30.0390, 0.4783,  
0.4584

■ 66.7692, 0.2729,  
0.2841

■ 69.5091, 0.2734,  
0.2901

■ 72.3379, 0.2740,  
0.2961

# Harmonies

## Analogous

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



44.5310, 0.3786, 0.3652



44.5310, 0.3631, 0.3842



44.5310, 0.3344, 0.3885

# Triad

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



44.5310, 0.3631, 0.3842



44.5310, 0.2537, 0.3139



44.5310, 0.3221, 0.2890

# Complementary

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



44.5310, 0.3631, 0.3842



31.1205, 0.2630, 0.2668

# 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.



44.5310, 0.2887, 0.2759



44.5310, 0.3631, 0.3842



44.5310, 0.2508, 0.2884

# Square

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



44.5310, 0.3631, 0.3842



44.5310, 0.2716, 0.3461



44.5310, 0.2632, 0.2753



44.5310, 0.3544, 0.3114



# Rectangle

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



44.5310, 0.3631, 0.3842



44.5310, 0.3120, 0.3812



44.5310, 0.2632, 0.2753



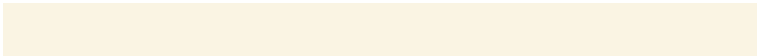
44.5310, 0.3106, 0.2834

# Sweetspot

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



44.5330, 0.3631, 0.3842



90.3966, 0.3268, 0.3452



30.9060, 0.3602, 0.3070



19.2227, 0.3291, 0.3479



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.



44.5330, 0.3631, 0.3842



76.7512, 0.3753, 0.3963



49.6411, 0.3465, 0.4060



11.2738, 0.3271, 0.3456



20.1197, 0.4774, 0.4592



0.9797, 0.4617, 0.4716



# Inverse Universe

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



31.1205, 0.2630, 0.2668



48.9463, 0.2511, 0.2508



27.4250, 0.2716, 0.2449



10.1897, 0.2984, 0.3118



4.3823, 0.1600, 0.0959



0.3089, 0.1728, 0.1421



# Previews

## White Background



This preview shows how the Yxy color 44.5310, 0.3631, 0.3842 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

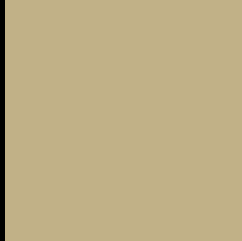
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.5310, 0.3631, 0.3842 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

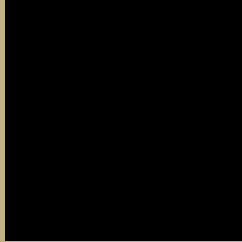
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.5310, 0.3631, 0.3842**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.5310, 0.3631, 0.3842.



This preview shows how white text looks on a background with the Yxy color 44.5310, 0.3631, 0.3842.

# 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

44.5310, 0.3631, 0.3842

### Protanopia

44.5372, 0.3599, 0.3860

### Deuteranopia

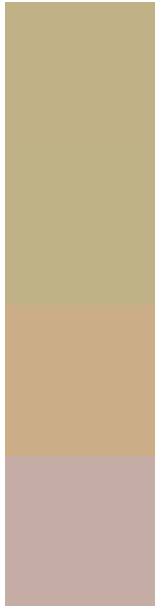
44.4587, 0.3799, 0.3728



## Tritanopia

44.3523, 0.3271, 0.3115

# Trichromacy



## Original Color

44.5310, 0.3631, 0.3842

## Protanomaly

44.6664, 0.3608, 0.3858

## Deuteranomaly

44.3612, 0.3733, 0.3762

## Tritanomaly

44.5106, 0.3407, 0.3381

# Monochromacy



## Original Color

44.5310, 0.3631, 0.3842

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.1202, 0.3305, 0.3491

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.5310, 0.3631, 0.3842 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, 177, 135)` looks like.

```
.text, #text, p{  
    color:rgb(193, 177, 135)  
}
```

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, 177, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 177, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 44.5310, 0.3631, 0.3842 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, 177, 135) }
```

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

```
.border{ border-color:rgb(193, 177, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 177, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 177, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 177, 135);  
box-shadow:4px 4px 4px 4px rgb(193, 177,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.5310, 0.3631, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 177, 135) }
```

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

```
.background{ background-color: rgb(193,  
177, 135) }
```

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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