

# Converting Colors

$Y_{xy}(44.7670, 0.3779, 0.3864)$

Have a look what the booklet for  
Yxy(44.7670, 0.3779, 0.3864)  
contains.

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# Color

**Yxy(44.9682, 0.3778, 0.3862)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CBAF82
RGB	203, 175, 130
RGB Percent	80%, 69%, 51%
CMY	0.2039, 0.3137, 0.4902
CMYK	0.00, 0.14, 0.36, 0.20
HSL	37°, 41%, 65%
HSV	37°, 36%, 80%
XYZ	43.9901, 44.9682, 27.4793
YIQ	178.2420, 31.1330, -8.0590

# Conversions

## Conversions Part 2

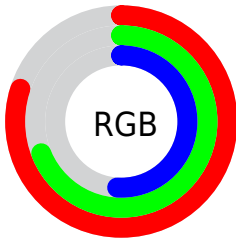
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 203, 130
Decimal	13348738
CIELab	72.87, 3.70, 26.84
CIElCh	73, 27.089, 82.158
Yxy	44.9682, 0.3778, 0.3862
Android (android.graphics.Color)	4291538818 (0xFFCBAF82)
YUV	178.2420, -23.7833, 21.7128
Hunter-Lab	67.0583, -0.2565, 22.6449

# Details

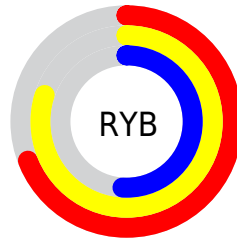
The Yxy color **44.9682, 0.3778, 0.3862** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.5151, 0.2536, 0.2639**, and the grayscale version is **44.7733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2725, 0.3620, 0.3767**, and **21.0410, 0.3963, 0.4020** is the 20% darker color. If you saturate the color by 10%, you get **41.5329, 0.3996, 0.4020**, and if you desaturate by 10%, it is **48.6901, 0.3574, 0.3699**.

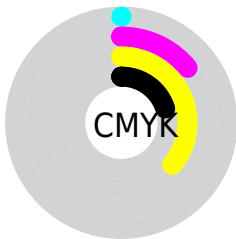
# Distribution



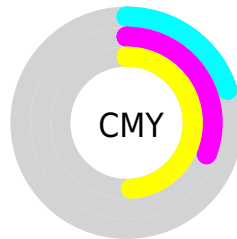
- Red (80%)
- Green (69%)
- Blue (51%)



- Red (69%)
- Yellow (80%)
- Blue (51%)



- Cyan (0%)
- Magenta (14%)
- Yellow (36%)
- Black (20%)




- Cyan (20%)
- Magenta (31%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9682, 0.3778, 0.3862 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 44.9682, 0.3778, 0.3862 by changing the saturation by 10% instead.




 44.9682, 0.3778,  
0.3862


 44.9682, 0.3778,  
0.3862


366.6448, 0.3452,  
0.3581


 31.4324, 0.3858,  
0.3929


 82.6727, 0.3660,  
0.3761

 20.9283, 0.3959,  
0.4014


 107.6101, 0.3616,  
0.3723

 13.0716, 0.4092,  
0.4122


 137.1169, 0.3578,  
0.3691

 7.4779, 0.4268,  
0.4263

171.5775, 0.3546,  
0.3662

 3.7627, 0.4512,  
0.4447

211.3761, 0.3518,  
0.3638

 1.5417, 0.5093,  
0.4907

256.8973, 0.3493,

 0.3178, 0.5524,

0.3617

0.4476

308.5254, 0.3472,  
0.3598

0.0000, 0.0000,  
0.0000

44.9682, 0.3778,  
0.3862

44.9682, 0.3778,  
0.3862

41.5329, 0.3996,  
0.4020

48.6901, 0.3574,  
0.3699

38.3687, 0.4222,  
0.4162

52.7010, 0.3388,  
0.3536

35.4676, 0.4449,  
0.4279


57.0113, 0.3219,  
0.3380


32.8187, 0.4665,  
0.4357


61.6287, 0.3068,  
0.3231


30.4095, 0.4858,  
0.4388


66.5606, 0.2935,  
0.3093


 28.2253, 0.5018,  
0.4367

 71.8141, 0.2816,  
0.2965

 27.3980, 0.5078,  
0.4350

 76.2448, 0.2804,  
0.3017

 80.6651, 0.2809,  
0.3102

 85.2813, 0.2815,  
0.3185

# Harmonies

## Analogous

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



44.9682, 0.3893, 0.3606



44.9682, 0.3778, 0.3862



44.9682, 0.3487, 0.3979

# Triad

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



44.9682, 0.3778, 0.3862



44.9682, 0.2504, 0.3229



44.9682, 0.3106, 0.2776

# Complementary

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



44.9682, 0.3778, 0.3862



33.5151, 0.2536, 0.2639

# 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.



44.9682, 0.2747, 0.2671



44.9682, 0.3778, 0.3862



44.9682, 0.2416, 0.2904

# Square

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



44.9682, 0.3778, 0.3862



44.9682, 0.2753, 0.3602



44.9682, 0.2502, 0.2710



44.9682, 0.3493, 0.2999



# Rectangle

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



44.9682, 0.3778, 0.3862



44.9682, 0.3239, 0.3943



44.9682, 0.2502, 0.2710



44.9682, 0.2978, 0.2726

# Sweetspot

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



44.9703, 0.3778, 0.3862



91.6485, 0.3304, 0.3460



31.1734, 0.3637, 0.2915



19.4056, 0.3327, 0.3482



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.



44.9703, 0.3778, 0.3862



70.8704, 0.3943, 0.3983



56.0262, 0.3601, 0.4197



12.3456, 0.3275, 0.3433



17.6146, 0.5062, 0.4362



1.0527, 0.4849, 0.4532

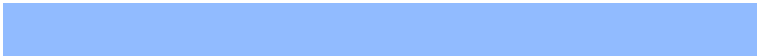


# Inverse Universe

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



33.5151, 0.2536, 0.2639



48.9891, 0.2404, 0.2472



25.6211, 0.2540, 0.2234



11.5378, 0.2983, 0.3143



6.3645, 0.1675, 0.1230



0.4741, 0.1785, 0.1627



# Previews

## White Background



This preview shows how the Yxy color 44.9682, 0.3778, 0.3862 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 44.9682, 0.3778, 0.3862 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

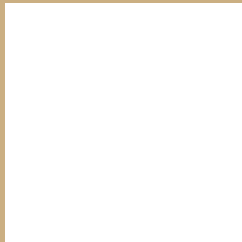
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.9682, 0.3778, 0.3862**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9682, 0.3778, 0.3862.



This preview shows how white text looks on a background with the Yxy color 44.9682, 0.3778, 0.3862.

# 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

44.9682, 0.3778, 0.3862

### Protanopia

45.1126, 0.3640, 0.3907

### Deuteranopia

44.7616, 0.3873, 0.3785



## Tritanopia

44.8968, 0.3393, 0.3132

# Trichromacy



## Original Color

44.9682, 0.3778, 0.3862

## Protanomaly

45.2152, 0.3690, 0.3900

## Deuteranomaly

44.6991, 0.3840, 0.3802

## Tritanomaly

44.9999, 0.3541, 0.3403

# Monochromacy



## Original Color

44.9682, 0.3778, 0.3862

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.5823, 0.3350, 0.3502

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9682, 0.3778, 0.3862 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(203, 175, 130)` looks like.

```
.text, #text, p{  
    color:rgb(203, 175, 130)  
}
```

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(203, 175, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 175, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9682, 0.3778, 0.3862 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(203, 175, 130) }
```

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

```
.border{ border-color:rgb(203, 175, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 175, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 175, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 175, 130);  
box-shadow:4px 4px 4px 4px rgb(203, 175,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9682, 0.3778, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 175, 130) }
```

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

```
.background{ background-color: rgb(203,  
175, 130) }
```

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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