

# Converting Colors

$Y_{xy}(47.5254, 0.3790, 0.4019)$

Have a look what the booklet for  
Yxy(47.5254, 0.3790, 0.4019)  
contains.

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# Color

**Yxy(47.4677, 0.3788, 0.4020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAB67C
RGB	202, 182, 124
RGB Percent	79%, 71%, 49%
CMY	0.2078, 0.2863, 0.5136
CMYK	0.00, 0.10, 0.39, 0.21
HSL	45°, 42%, 64%
HSV	45°, 39%, 79%
XYZ	44.7283, 47.4677, 25.8829
YIQ	181.3680, 30.5380, -13.7980

# Conversions

## Conversions Part 2

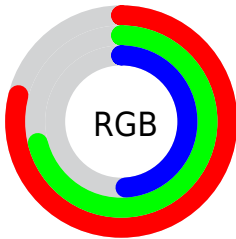
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 202, 124
Decimal	13284988
CIELab	74.49, -1.12, 32.12
CIELCh	74, 32.140, 92.001
Yxy	47.4677, 0.3788, 0.4020
Android (android.graphics.Color)	4291475068 (0xFFCAB67C)
YUV	181.3680, -28.2824, 18.0943
Hunter-Lab	68.8968, -4.6860, 25.9539

# Details

The Yxy color  $47.4677, 0.3788, 0.4020$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $28.5144, 0.2468, 0.2430$ , and the grayscale version is  $46.5651, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.5834, 0.3638, 0.3904$ , and  $22.3980, 0.3969, 0.4210$  is the 20% darker color. If you saturate the color by 10%, you get  $44.9248, 0.3978, 0.4201$ , and if you desaturate by 10%, it is  $50.1984, 0.3602, 0.3829$ .

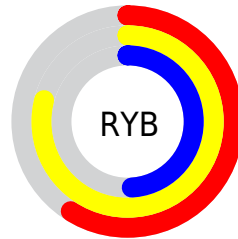
# Distribution



Red (79%)

Green (71%)

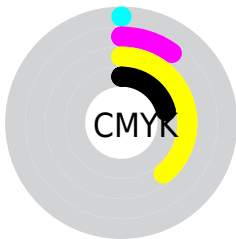
Blue (49%)



Red (59%)

Yellow (79%)

Blue (49%)

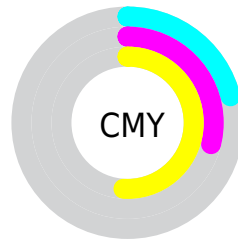


Cyan (0%)

Magenta (10%)

Yellow (39%)

Black (21%)



Cyan (21%)

Magenta (29%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4677, 0.3788, 0.4020 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 47.4677, 0.3788, 0.4020 by changing the saturation by 10% instead.




 47.4677, 0.3788,  
0.4020


 47.4677, 0.3788,  
0.4020


376.6783, 0.3464,  
0.3661

 33.4055, 0.3865,  
0.4106


 86.4113, 0.3673,  
0.3892

 22.4373, 0.3960,  
0.4213


 112.0616, 0.3629,  
0.3843

 14.1786, 0.4081,  
0.4350


 142.3434, 0.3591,  
0.3801

 8.2450, 0.4236,  
0.4526

177.6410, 0.3559,  
0.3765

 4.2521, 0.4443,  
0.4766

218.3389, 0.3531,  
0.3734

 1.8156, 0.4809,  
0.5191

264.8215, 0.3506,

 0.4968, 0.4724,

0.3707

0.5276

317.4732, 0.3484,  
0.3682

0.0000, 0.0000,  
0.0000

47.4677, 0.3788,  
0.4020

47.4677, 0.3788,  
0.4020

44.9248, 0.3978,  
0.4201

50.1984, 0.3602,  
0.3829

42.5558, 0.4164,  
0.4362

53.1170, 0.3425,  
0.3636

40.3550, 0.4340,  
0.4492


56.2319, 0.3259,  
0.3447


38.3133, 0.4495,  
0.4582


59.5491, 0.3107,  
0.3265

36.4203, 0.4624,  
0.4624

63.0742, 0.2968,  
0.3095

 34.6600, 0.4724,  
0.4622

 66.8125, 0.2843,  
0.2936

 34.4218, 0.4737,  
0.4620

 70.0779, 0.2789,  
0.2893

 72.8149, 0.2793,  
0.2951

 75.6369, 0.2797,  
0.3008

# Harmonies

## Analogous

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



47.4677, 0.4002, 0.3758



47.4677, 0.3788, 0.4020



47.4677, 0.3402, 0.4093

# Triad

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



47.4677, 0.3788, 0.4020



47.4677, 0.2353, 0.3076



47.4677, 0.3251, 0.2770

# Complementary

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



47.4677, 0.3788, 0.4020



28.5144, 0.2468, 0.2430

# 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.



47.4677, 0.2810, 0.2600



47.4677, 0.3788, 0.4020



47.4677, 0.2318, 0.2746

# Square

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



47.4677, 0.3788, 0.4020



47.4677, 0.2580, 0.3513



47.4677, 0.2479, 0.2585



47.4677, 0.3685, 0.3057



# Rectangle

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



47.4677, 0.3788, 0.4020



47.4677, 0.3106, 0.3997



47.4677, 0.2479, 0.2585



47.4677, 0.3098, 0.2698

# Sweetspot

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



47.4699, 0.3788, 0.4020



93.2734, 0.3317, 0.3513



29.0209, 0.3817, 0.3021



19.8142, 0.3338, 0.3538



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.



47.4699, 0.3788, 0.4020



76.8756, 0.3940, 0.4166



53.8739, 0.3545, 0.4293



12.5901, 0.3272, 0.3461



22.2953, 0.4728, 0.4628



1.2679, 0.4602, 0.4728



# Inverse Universe

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



28.5144, 0.2468, 0.2430



40.5340, 0.2317, 0.2213



24.4589, 0.2581, 0.2172



11.3044, 0.2983, 0.3113



4.4393, 0.1587, 0.0914



0.3547, 0.1696, 0.1307



# Previews

## White Background



This preview shows how the Yxy color 47.4677, 0.3788, 0.4020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

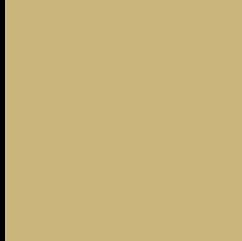
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4677, 0.3788, 0.4020 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 47.4677, 0.3788, 0.4020**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4677, 0.3788, 0.4020.



This preview shows how white text looks on a background with the Yxy color 47.4677, 0.3788, 0.4020.

# 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

47.4677, 0.3788, 0.4020

### Protanopia

47.3534, 0.3738, 0.4030

### Deuteranopia

47.2007, 0.3974, 0.3888



## Tritanopia

47.4583, 0.3322, 0.3121

# Trichromacy



## Original Color

47.4677, 0.3788, 0.4020

## Protanomaly

47.4898, 0.3747, 0.4027

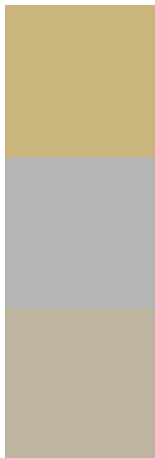
## Deuteranomaly

47.4676, 0.3902, 0.3935

## Tritanomaly

47.2827, 0.3490, 0.3440

# Monochromacy



## Original Color

47.4677, 0.3788, 0.4020

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.4046, 0.3369, 0.3565

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4677, 0.3788, 0.4020 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, 182, 124)` looks like.

```
.text, #text, p{  
    color:rgb(202, 182, 124)  
}
```

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, 182, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 182, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4677, 0.3788, 0.4020 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, 182, 124) }
```

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

```
.border{ border-color:rgb(202, 182, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 182, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 182, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 182, 124);  
box-shadow:4px 4px 4px 4px rgb(202, 182,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4677, 0.3788, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 182, 124) }
```

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

```
.background{ background-color: rgb(202,  
182, 124) }
```

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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