

# Converting Colors

$Y_{xy}(48.2839, 0.3685, 0.3716)$

Have a look what the booklet for  
Yxy(48.2839, 0.3685, 0.3716)  
contains.

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# Color

**Yxy(48.3885, 0.3693, 0.3722)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2B491
RGB	210, 180, 145
RGB Percent	82%, 71%, 57%
CMY	0.1765, 0.2941, 0.4313
CMYK	0.00, 0.14, 0.31, 0.18
HSL	32°, 42%, 70%
HSV	32°, 31%, 82%
XYZ	48.0115, 48.3885, 33.6067
YIQ	184.9800, 29.1150, -4.5250

# Conversions

## Conversions Part 2

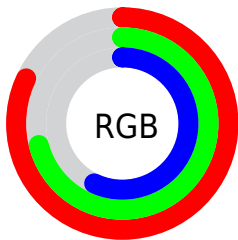
Format	Color
<a href="#">RYB</a>	<a href="#">201, 210, 145</a>
Decimal	<a href="#">13808785</a>
CIELab	<a href="#">75.07, 5.66, 21.85</a>
CIElCh	<a href="#">75, 22.577, 75.471</a>
Yxy	<a href="#">48.3885, 0.3693, 0.3722</a>
Android (android.graphics.Color)	<a href="#">4291998865 (0xFFD2B491)</a>
YUV	<a href="#">184.9800, -19.7101, 21.9425</a>
Hunter-Lab	<a href="#">69.5618, 1.4672, 20.0491</a>

# Details

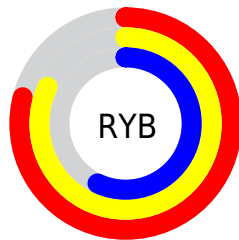
The Yxy color **48.3885, 0.3693, 0.3722** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3422, 0.2631, 0.2814**, and the grayscale version is **48.6056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3744, 0.3498, 0.3662**, and **22.9555, 0.3862, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **44.0231, 0.3920, 0.3865**, and if you desaturate by 10%, it is **53.1519, 0.3487, 0.3577**.

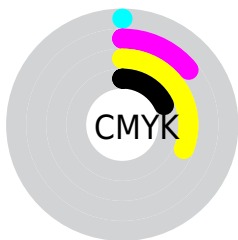
# Distribution



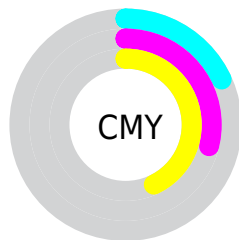
- Red (82%)
- Green (71%)
- Blue (57%)



- Red (79%)
- Yellow (82%)
- Blue (57%)



- Cyan (0%)
- Magenta (14%)
- Yellow (31%)
- Black (18%)




- Cyan (18%)
- Magenta (29%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3885, 0.3693, 0.3722 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 48.3885, 0.3693, 0.3722 by changing the saturation by 10% instead.





 48.3885, 0.3693,  
0.3722


 48.3885, 0.3693,  
0.3722


380.3300, 0.3412,  
0.3512

 34.1346, 0.3762,  
0.3772


 87.7826, 0.3591,  
0.3648

 22.9971, 0.3850,  
0.3834

 113.6916, 0.3553,  
0.3619

 14.5913, 0.3965,  
0.3914


144.2544, 0.3520,  
0.3595

 8.5331, 0.4122,  
0.4019


179.8555, 0.3493,  
0.3574

 4.4379, 0.4345,  
0.4159

220.8792, 0.3468,  
0.3555

 1.9214, 0.4834,  
0.4492

267.7099, 0.3447,

 0.5612, 0.5448,

0.3539

0.4552

320.7320, 0.3428,  
0.3525

0.0000, 0.0000,  
0.0000

48.3885, 0.3693,  
0.3722

48.3885, 0.3693,  
0.3722

44.0231, 0.3920,  
0.3865

53.1519, 0.3487,  
0.3577

40.0368, 0.4166,  
0.3999

58.3181, 0.3303,  
0.3436

36.4190, 0.4423,  
0.4114


63.9003, 0.3141,  
0.3302


33.1555, 0.4681,  
0.4197


69.9088, 0.2999,  
0.3177

30.2310, 0.4925,  
0.4236

76.3538, 0.2874,  
0.3060

 27.6280, 0.5140,  
0.4222

 82.1693, 0.2851,  
0.3113

 25.5242, 0.5306,  
0.4169

 87.9725, 0.2857,  
0.3215

 92.4414, 0.2860,  
0.3289

# Harmonies

## Analogous

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



48.3885, 0.3745, 0.3500



48.3885, 0.3693, 0.3722



48.3885, 0.3485, 0.3841

# Triad

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



48.3885, 0.3693, 0.3722



48.3885, 0.2652, 0.3311



48.3885, 0.3042, 0.2837

# Complementary

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



48.3885, 0.3693, 0.3722



41.3422, 0.2631, 0.2814

# 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.



48.3885, 0.2762, 0.2776



48.3885, 0.3693, 0.3722



48.3885, 0.2546, 0.3031

# Square

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



48.3885, 0.3693, 0.3722



48.3885, 0.2884, 0.3603



48.3885, 0.2585, 0.2841



48.3885, 0.3359, 0.3004



# Rectangle

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



48.3885, 0.3693, 0.3722



48.3885, 0.3292, 0.3835



48.3885, 0.2585, 0.2841



48.3885, 0.2941, 0.2804

# Sweetspot

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



48.3907, 0.3693, 0.3722



92.0347, 0.3272, 0.3411



37.0684, 0.3500, 0.2917



19.4345, 0.3297, 0.3431



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.



48.3907, 0.3693, 0.3722



70.6308, 0.3838, 0.3815



61.5231, 0.3573, 0.4062



12.8474, 0.3277, 0.3415



15.7730, 0.5286, 0.4185



1.0398, 0.5032, 0.4387

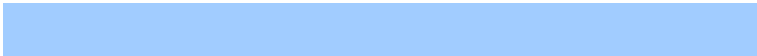


# Inverse Universe

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



41.3422, 0.2631, 0.2814



58.0441, 0.2523, 0.2696



31.1320, 0.2599, 0.2392



12.3042, 0.2982, 0.3162



8.2436, 0.1740, 0.1464



0.6189, 0.1837, 0.1814



# Previews

## White Background



This preview shows how the Yxy color 48.3885, 0.3693, 0.3722 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 48.3885, 0.3693, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

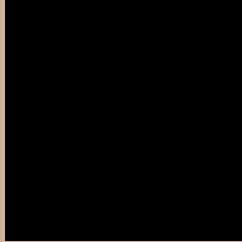
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.3885, 0.3693, 0.3722**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3885, 0.3693, 0.3722.



This preview shows how white text looks on a background with the Yxy color 48.3885, 0.3693, 0.3722.

# 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

48.3885, 0.3693, 0.3722

### Protanopia

48.6748, 0.3541, 0.3776

### Deuteranopia

48.5150, 0.3747, 0.3678



## Tritanopia

48.3500, 0.3376, 0.3125

# Trichromacy



**Original Color**

48.3885, 0.3693, 0.3722

**Protanomaly**

48.4989, 0.3601, 0.3757

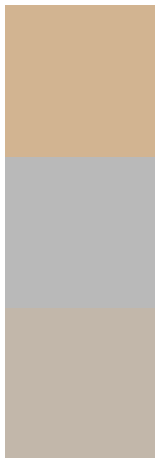
**Deuteranomaly**

48.6117, 0.3725, 0.3693

**Tritanomaly**

48.1754, 0.3495, 0.3340

# Monochromacy



**Original Color**

48.3885, 0.3693, 0.3722

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

48.2386, 0.3327, 0.3456

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3885, 0.3693, 0.3722 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(210, 180, 145)` looks like.

```
.text, #text, p{  
    color:rgb(210, 180, 145)  
}
```

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(210, 180, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 180, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3885, 0.3693, 0.3722 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(210, 180, 145) }
```

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

```
.border{ border-color:rgb(210, 180, 145) }
```

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

Here you see how a box with a 4 pixel rgb(210, 180, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 180, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 180, 145);  
box-shadow:4px 4px 4px 4px rgb(210, 180,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3885, 0.3693, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 180, 145) }
```

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

```
.background{ background-color: rgb(210,  
180, 145) }
```

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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