

# Converting Colors

$Y_{xy}(48.7865, 0.3873, 0.4289)$

Have a look what the booklet for  
Yxy(48.7865, 0.3873, 0.4289)  
contains.

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# Color

**Yxy(48.7443, 0.3867, 0.4286)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7BB6B
RGB	199, 187, 107
RGB Percent	78%, 73%, 42%
CMY	0.2196, 0.2667, 0.5803
CMYK	0.00, 0.06, 0.46, 0.22
HSL	52°, 45%, 60%
HSV	52°, 46%, 78%
XYZ	43.9790, 48.7443, 21.0058
YIQ	181.4680, 32.8320, -22.3360

# Conversions

## Conversions Part 2

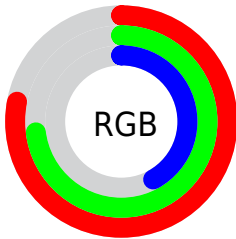
Format	Color
<a href="#">RYB</a>	<a href="#">121, 199, 107</a>
Decimal	<a href="#">13089643</a>
CIELab	<a href="#">75.29, -6.77, 41.84</a>
CIELCh	<a href="#">75, 42.380, 99.194</a>
Yxy	<a href="#">48.7443, 0.3867, 0.4286</a>
Android (android.graphics.Color)	<a href="#">4291279723 (0xFFC7BB6B)</a>
YUV	<a href="#">181.4680, -36.7127, 15.3756</a>
Hunter-Lab	<a href="#">69.8171, -9.7396, 31.0335</a>

# Details

The Yxy color **48.7443, 0.3867, 0.4286** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.4499, 0.2293, 0.2041**, and the grayscale version is **46.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8992, 0.3729, 0.4116**, and **23.1852, 0.4035, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **47.2829, 0.4021, 0.4473**, and if you desaturate by 10%, it is **50.3266, 0.3704, 0.4079**.

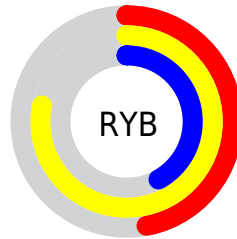
# Distribution



Red (78%)

Green (73%)

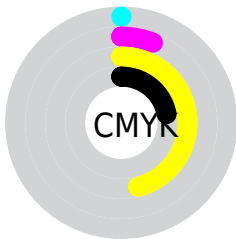
Blue (42%)



Red (47%)

Yellow (78%)

Blue (42%)

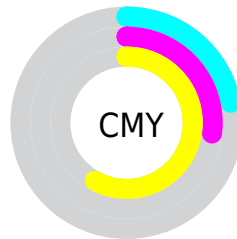


Cyan (0%)

Magenta (6%)

Yellow (46%)

Black (22%)



Cyan (22%)

Magenta (27%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7443, 0.3867, 0.4286 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 48.7443, 0.3867, 0.4286 by changing the saturation by 10% instead.





 48.7443, 0.3867,  
0.4286


 48.7443, 0.3867,  
0.4286


381.7348, 0.3516,  
0.3797


 34.4167, 0.3945,  
0.4401


 88.3116, 0.3746,  
0.4113


 23.2139, 0.4038,  
0.4542


 114.3200, 0.3698,  
0.4046

 14.7515, 0.4149,  
0.4719


 144.9908, 0.3657,  
0.3989

 8.6452, 0.4275,  
0.4938

 180.7085, 0.3622,  
0.3940

 4.5105, 0.4516,  
0.5338

221.8573, 0.3590,  
0.3898

 1.9630, 0.4488,  
0.5512

268.8217, 0.3563,

 0.5859, 0.4006,

0.3860

0.5994

321.9861, 0.3538,  
0.3827

0.0000, 0.0000,  
0.0000

48.7443, 0.3867,  
0.4286

48.7443, 0.3867,  
0.4286

47.2829, 0.4021,  
0.4473

50.3266, 0.3704,  
0.4079

45.9287, 0.4158,  
0.4629

52.0291, 0.3539,  
0.3860

44.6763, 0.4274,  
0.4746


53.8597, 0.3376,  
0.3639


43.5169, 0.4363,  
0.4819

55.8238, 0.3220,  
0.3421

42.4391, 0.4425,  
0.4848

57.9262, 0.3073,  
0.3212

 42.0449, 0.4444,  
0.4853

 60.1717, 0.2936,  
0.3015

 62.5645, 0.2811,  
0.2832

 64.3648, 0.2762,  
0.2773

 65.6395, 0.2764,  
0.2802

# Harmonies

## Analogous

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



48.7443, 0.4221, 0.3968



48.7443, 0.3867, 0.4286



48.7443, 0.3332, 0.4331

# Triad

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



48.7443, 0.3867, 0.4286



48.7443, 0.2105, 0.2877



48.7443, 0.3426, 0.2703

# Complementary

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



48.7443, 0.3867, 0.4286



20.4499, 0.2293, 0.2041

# 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.



48.7443, 0.2838, 0.2451



48.7443, 0.3867, 0.4286



48.7443, 0.2124, 0.2512

# Square

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



48.7443, 0.3867, 0.4286



48.7443, 0.2328, 0.3432



48.7443, 0.2377, 0.2376



48.7443, 0.3971, 0.3085



# Rectangle

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



48.7443, 0.3867, 0.4286



48.7443, 0.2950, 0.4153



48.7443, 0.2377, 0.2376



48.7443, 0.3225, 0.2602

# Sweetspot

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



48.7466, 0.3867, 0.4286



94.9743, 0.3344, 0.3594



24.0013, 0.4196, 0.3132



20.1718, 0.3379, 0.3643



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.



48.7466, 0.3867, 0.4286



82.8874, 0.4015, 0.4465



49.9399, 0.3510, 0.4535



12.1718, 0.3268, 0.3489



27.1258, 0.4441, 0.4856



1.3519, 0.4382, 0.4903



# Inverse Universe

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



20.4499, 0.2293, 0.2041



27.6364, 0.2102, 0.1735



20.2842, 0.2565, 0.1963



10.5069, 0.2983, 0.3083



3.1987, 0.1530, 0.0709



0.2267, 0.1612, 0.1003



# Previews

## White Background



This preview shows how the Yxy color 48.7443, 0.3867, 0.4286 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 48.7443, 0.3867, 0.4286 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

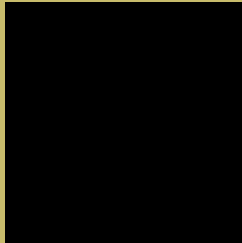
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7443, 0.3867, 0.4286**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.7443, 0.3867, 0.4286.



This preview shows how white text looks on a background with the Yxy color 48.7443, 0.3867, 0.4286.

# 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

48.7443, 0.3867, 0.4286

### Protanopia

48.8549, 0.3917, 0.4272

### Deuteranopia

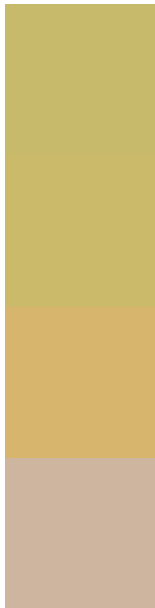
48.5560, 0.4151, 0.4069



## Tritanopia

48.6158, 0.3284, 0.3122

# Trichromacy



**Original Color**

48.7443, 0.3867, 0.4286

**Protanomaly**

48.7150, 0.3908, 0.4276

**Deuteranomaly**

48.7294, 0.4051, 0.4152

**Tritanomaly**

48.5649, 0.3514, 0.3552

# Monochromacy



**Original Color**

48.7443, 0.3867, 0.4286

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

46.8914, 0.3406, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7443, 0.3867, 0.4286 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(199, 187, 107)` looks like.

```
.text, #text, p{  
    color:rgb(199, 187, 107)  
}
```

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(199, 187, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 187, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7443, 0.3867, 0.4286 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(199, 187, 107) }
```

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

```
.border{ border-color:rgb(199, 187, 107) }
```

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

Here you see how a box with a 4 pixel rgb(199, 187, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 187, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 187, 107);  
box-shadow:4px 4px 4px 4px rgb(199, 187,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7443, 0.3867, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 187, 107) }
```

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

```
.background{ background-color: rgb(199,  
187, 107) }
```

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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