

# Converting Colors

$Yxy(46.6394, 0.3744, 0.4273)$

Have a look what the booklet for  
Yxy(46.6394, 0.3744, 0.4273)  
contains.

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# Color

**Yxy(46.3885, 0.3743, 0.4271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB96E
RGB	187, 185, 110
RGB Percent	73%, 73%, 43%
CMY	0.2668, 0.2745, 0.5685
CMYK	0.00, 0.01, 0.41, 0.27
HSL	58°, 36%, 58%
HSV	58°, 41%, 73%
XYZ	40.6537, 46.3885, 21.5705
YIQ	177.0480, 25.2670, -22.9010

# Conversions

## Conversions Part 2

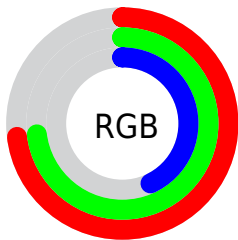
Format	Color
<a href="#">RYB</a>	<a href="#">112, 187, 110</a>
Decimal	<a href="#">12302702</a>
CIELab	<a href="#">73.80, -10.33, 38.23</a>
CIELCh	<a href="#">74, 39.603, 105.121</a>
Yxy	<a href="#">46.3885, 0.3743, 0.4271</a>
Android (android.graphics.Color)	<a href="#">4290492782 (0xFFBBB96E)</a>
YUV	<a href="#">177.0480, -33.0547, 8.7279</a>
Hunter-Lab	<a href="#">68.1091, -12.6458, 28.8989</a>

# Details

The Yxy color  $46.3885, 0.3743, 0.4271$  is a light color, and the websafe version is hex `CCCC66`. A complement of this color would be  $18.4905, 0.2378, 0.2074$ , and the grayscale version is  $44.1606, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $84.7880, 0.3638, 0.4092$ , and  $21.7343, 0.3887, 0.4546$  is the 20% darker color. If you saturate the color by 10%, you get  $45.8258, 0.3879, 0.4484$ , and if you desaturate by 10%, it is  $47.0421, 0.3596, 0.4039$ .

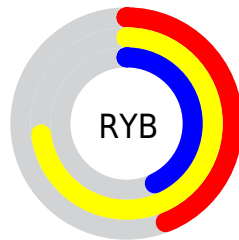
# Distribution



Red (73%)

Green (73%)

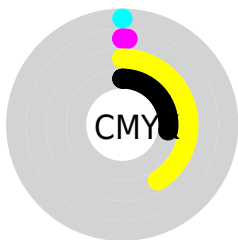
Blue (43%)



Red (44%)

Yellow (73%)

Blue (43%)

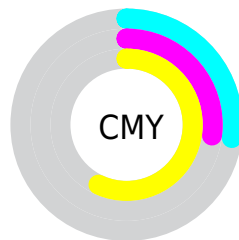


Cyan (0%)

Magenta (1%)

Yellow (41%)

Black (27%)



Cyan (27%)

Magenta (27%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3885, 0.3743, 0.4271 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 46.3885, 0.3743, 0.4271 by changing the saturation by 10% instead.





 46.3885, 0.3743,  
0.4271


 46.3885, 0.3743,  
0.4271


372.3684, 0.3450,  
0.3778


 32.5525, 0.3809,  
0.4391


 84.8001, 0.3641,  
0.4093

 21.7839, 0.3887,  
0.4542


 110.1445, 0.3602,  
0.4026

 13.6982, 0.3981,  
0.4735


 140.0939, 0.3567,  
0.3969

 7.9110, 0.4087,  
0.4986

 175.0326, 0.3538,  
0.3920

 4.0381, 0.4294,  
0.5443

215.3449, 0.3511,  
0.3878

 1.6949, 0.4250,  
0.5750

261.4154, 0.3488,

 0.4203, 0.2595,

0.3840

0.7405

313.6284, 0.3468,  
0.3808

0.0000, 0.0000,  
0.0000

46.3885, 0.3743,  
0.4271

46.3885, 0.3743,  
0.4271

45.8258, 0.3879,  
0.4484

47.0421, 0.3596,  
0.4039

45.3421, 0.3998,  
0.4669

47.7851, 0.3444,  
0.3797

44.9335, 0.4096,  
0.4817

48.6243, 0.3292,  
0.3554

44.5930, 0.4168,  
0.4924

49.5640, 0.3144,  
0.3317

44.3125, 0.4214,  
0.4988

50.6082, 0.3003,  
0.3090

■ 44.0999, 0.4238,  
0.5017

■ 51.7607, 0.2871,  
0.2876

■ 53.0250, 0.2749,  
0.2679

■ 54.1043, 0.2664,  
0.2542

■ 54.3099, 0.2664,  
0.2547

# Harmonies

## Analogous

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



46.3885, 0.4123, 0.4013



46.3885, 0.3743, 0.4271



46.3885, 0.3217, 0.4242

# Triad

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



46.3885, 0.3743, 0.4271



46.3885, 0.2136, 0.2814



46.3885, 0.3524, 0.2794

# Complementary

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



46.3885, 0.3743, 0.4271



18.4905, 0.2378, 0.2074

# 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.



46.3885, 0.2958, 0.2523



46.3885, 0.3743, 0.4271



46.3885, 0.2199, 0.2506

# Square

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



46.3885, 0.3743, 0.4271



46.3885, 0.2306, 0.3314



46.3885, 0.2485, 0.2416



46.3885, 0.4008, 0.3179



# Rectangle

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



46.3885, 0.3743, 0.4271



46.3885, 0.2857, 0.4027



46.3885, 0.2485, 0.2416



46.3885, 0.3335, 0.2688

# Sweetspot

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



46.3906, 0.3743, 0.4271



86.9463, 0.3308, 0.3579



22.9028, 0.4127, 0.3257



19.1020, 0.3327, 0.3611



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3906, 0.3743, 0.4271



82.2263, 0.3861, 0.4457



43.2426, 0.3406, 0.4415



11.0776, 0.3265, 0.3511



30.4110, 0.4238, 0.5017



1.2045, 0.4226, 0.5026



# Inverse Universe

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



18.4905, 0.2378, 0.2074



25.7475, 0.2195, 0.1775



20.8500, 0.2724, 0.2152



9.2634, 0.2984, 0.3059



2.5597, 0.1505, 0.0619



0.1138, 0.1526, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 46.3885, 0.3743, 0.4271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

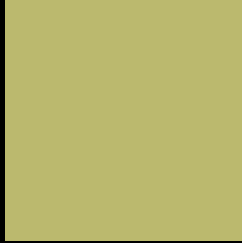
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3885, 0.3743, 0.4271 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

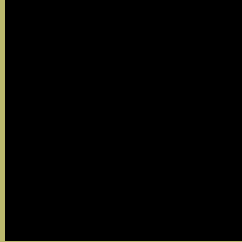
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

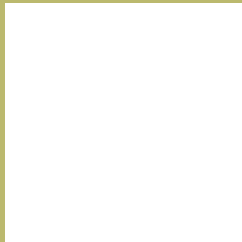
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.3885, 0.3743, 0.4271**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3885, 0.3743, 0.4271.



This preview shows how white text looks on a background with the Yxy color 46.3885, 0.3743, 0.4271.

# 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

46.3885, 0.3743, 0.4271

### Protanopia

46.1576, 0.3875, 0.4201

### Deuteranopia

46.1395, 0.4088, 0.4001



## Tritanopia

46.4606, 0.3196, 0.3128

# Trichromacy



## Original Color

46.3885, 0.3743, 0.4271

## Protanomaly

46.0294, 0.3832, 0.4226

## Deuteranomaly

45.8795, 0.3959, 0.4093

## Tritanomaly

46.1157, 0.3410, 0.3537

# Monochromacy



## Original Color

46.3885, 0.3743, 0.4271

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.7662, 0.3357, 0.3654

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3885, 0.3743, 0.4271 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(187, 185, 110)` looks like.

```
.text, #text, p{  
    color:rgb(187, 185, 110)  
}
```

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(187, 185, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 185, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3885, 0.3743, 0.4271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

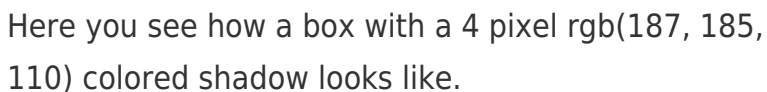
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 185, 110) }
```

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

```
.border{ border-color:rgb(187, 185, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 185, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 185, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 185, 110);  
box-shadow:4px 4px 4px 4px rgb(187, 185,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3885, 0.3743, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 185, 110) }
```

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

```
.background{ background-color: rgb(187,  
185, 110) }
```

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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