

# Converting Colors

Yxy(48.3481, 0.3371, 0.3600)

Have a look what the booklet for  
Yxy(48.3481, 0.3371, 0.3600)  
contains.

<b>Yxy(48.3475, 0.3371, 0.3601)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.3475, 0.3371, 0.3601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFB9A1
RGB	191, 185, 161
RGB Percent	75%, 73%, 63%
CMY	0.2511, 0.2744, 0.3687
CMYK	0.00, 0.03, 0.16, 0.25
HSL	48°, 19%, 69%
HSV	48°, 16%, 75%
XYZ	45.2595, 48.3475, 40.6543
YIQ	184.0580, 11.2800, -6.1920

# Conversions

## Conversions Part 2

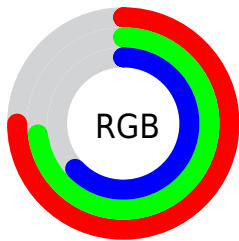
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 191, 161
Decimal	12564897
CIELab	75.04, -1.98, 12.96
CIELCh	75, 13.106, 98.706
Yxy	48.3475, 0.3371, 0.3601
Android (android.graphics.Color)	4290754977 (0xFFBFB9A1)
YUV	184.0580, -11.3676, 6.0881
Hunter-Lab	69.5324, -5.4938, 14.0069

# Details

The Yxy color **48.3475, 0.3371, 0.3601** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **38.9450, 0.2879, 0.2959**, and the grayscale version is **48.0236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6426, 0.3323, 0.3543**, and **22.9250, 0.3439, 0.3696** is the 20% darker color. If you saturate the color by 10%, you get **46.1629, 0.3539, 0.3806**, and if you desaturate by 10%, it is **50.6815, 0.3212, 0.3401**.

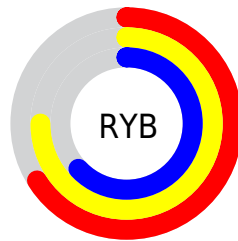
# Distribution



Red (75%)

Green (73%)

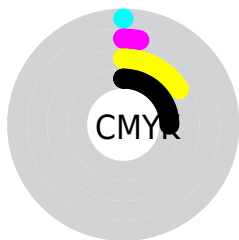
Blue (63%)



Red (66%)

Yellow (75%)

Blue (63%)

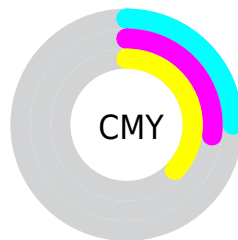


Cyan (0%)

Magenta (3%)

Yellow (16%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3475, 0.3371, 0.3601 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 48.3475, 0.3371, 0.3601 by changing the saturation by 10% instead.





 48.3475, 0.3371,  
0.3601


 48.3475, 0.3371,  
0.3601


380.1679, 0.3250,  
0.3446

 34.1022, 0.3401,  
0.3640


 87.7216, 0.3327,  
0.3545

 22.9721, 0.3439,  
0.3689


 113.6191, 0.3311,  
0.3524

 14.5729, 0.3489,  
0.3755


144.1695, 0.3297,  
0.3506

 8.5202, 0.3557,  
0.3846

179.7571, 0.3285,  
0.3490

 4.4296, 0.3657,  
0.3980

220.7663, 0.3275,  
0.3477

 1.9166, 0.3815,  
0.4198

267.5816, 0.3265,

 0.5584, 0.4634,

0.3465

0.5366

320.5873, 0.3257,  
0.3455

0.0000, 0.0000,  
0.0000

48.3475, 0.3371,  
0.3601

48.3475, 0.3371,  
0.3601

46.1629, 0.3539,  
0.3806

50.6815, 0.3212,  
0.3401

44.1163, 0.3714,  
0.4011

53.1631, 0.3065,  
0.3209

42.2046, 0.3890,  
0.4206

55.7989, 0.2931,  
0.3029

40.4218, 0.4061,  
0.4384

58.5931, 0.2808,  
0.2861

38.7616, 0.4221,  
0.4533

61.4553, 0.2706,  
0.2722

■ 37.2171, 0.4361,  
0.4644

■ 63.2770, 0.2710,  
0.2765

■ 35.7798, 0.4476,  
0.4711

■ 65.1428, 0.2714,  
0.2808

■ 34.4398, 0.4562,  
0.4733

■ 67.0530, 0.2718,  
0.2852

■ 33.8849, 0.4594,  
0.4734

■ 69.0078, 0.2722,  
0.2895

# Harmonies

## Analogous

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



48.3475, 0.3471, 0.3522



48.3475, 0.3371, 0.3601



48.3475, 0.3207, 0.3595

# Triad

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



48.3475, 0.3371, 0.3601



48.3475, 0.2791, 0.3178



48.3475, 0.3223, 0.3093

# Complementary

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



48.3475, 0.3371, 0.3601



38.9450, 0.2879, 0.2959

# 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.



48.3475, 0.3039, 0.3006



48.3475, 0.3371, 0.3601



48.3475, 0.2794, 0.3049

# Square

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



48.3475, 0.3371, 0.3601



48.3475, 0.2874, 0.3344



48.3475, 0.2884, 0.2988



48.3475, 0.3384, 0.3230



# Rectangle

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



48.3475, 0.3371, 0.3601



48.3475, 0.3085, 0.3540



48.3475, 0.2884, 0.2988



48.3475, 0.3162, 0.3057

# Sweetspot

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



48.3496, 0.3371, 0.3601



91.0777, 0.3203, 0.3388



39.3432, 0.3362, 0.3212



19.9324, 0.3214, 0.3402



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



48.3496, 0.3371, 0.3601



85.1911, 0.3431, 0.3675



49.7598, 0.3283, 0.3684



10.7903, 0.3269, 0.3473



22.3926, 0.4588, 0.4739



0.9605, 0.4477, 0.4827



# Inverse Universe

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



38.9450, 0.2879, 0.2959



64.9973, 0.2817, 0.2874



37.7856, 0.2955, 0.2884



9.5236, 0.2984, 0.3100



3.4706, 0.1558, 0.0810



0.2286, 0.1680, 0.1247



# Previews

## White Background



This preview shows how the Yxy color 48.3475, 0.3371, 0.3601 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 48.3475, 0.3371, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

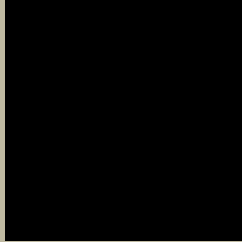
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

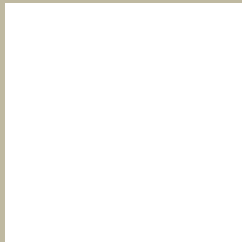
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3475, 0.3371, 0.3601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.3475, 0.3371, 0.3601.



This preview shows how white text looks on a background with the Yxy color 48.3475, 0.3371, 0.3601.

# 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

48.3475, 0.3371, 0.3601

### Protanopia

48.3235, 0.3400, 0.3585

### Deuteranopia

48.2983, 0.3560, 0.3487



## Tritanopia

48.1397, 0.3144, 0.3116

# Trichromacy



## Original Color

48.3475, 0.3371, 0.3601

## Protanomaly

48.1916, 0.3391, 0.3586

## Deuteranomaly

48.4938, 0.3488, 0.3528

## Tritanomaly

48.3026, 0.3230, 0.3290

# Monochromacy



## Original Color

48.3475, 0.3371, 0.3601

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.9804, 0.3216, 0.3393

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3475, 0.3371, 0.3601 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(191, 185, 161)` looks like.

```
.text, #text, p{  
    color:rgb(191, 185, 161)  
}
```

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(191, 185, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 185, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3475, 0.3371, 0.3601 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(191, 185, 161) }
```

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

```
.border{ border-color:rgb(191, 185, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 185, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 185, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 185, 161);  
box-shadow:4px 4px 4px 4px rgb(191, 185,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3475, 0.3371, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 185, 161) }
```

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

```
.background{ background-color: rgb(191,  
185, 161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor