

# Converting Colors

Yxy(48.4615, 0.3394, 0.3646)

Have a look what the booklet for  
Yxy(48.4615, 0.3394, 0.3646)  
contains.

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# Color

**Yxy(48.6628, 0.3394, 0.3652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFBA9E
RGB	191, 186, 158
RGB Percent	75%, 73%, 62%
CMY	0.2508, 0.2706, 0.3803
CMYK	0.00, 0.03, 0.17, 0.25
HSL	51°, 21%, 68%
HSV	51°, 17%, 75%
XYZ	45.2250, 48.6628, 39.3620
YIQ	184.3030, 11.9680, -7.6480

# Conversions

## Conversions Part 2

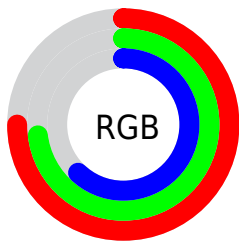
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 191, 158
Decimal	12565150
CIELab	75.24, -2.93, 14.84
CIELCh	75, 15.126, 101.186
Yxy	48.6628, 0.3394, 0.3652
Android (android.graphics.Color)	4290755230 (0xFFBFBA9E)
YUV	184.3030, -12.9674, 5.8733
Hunter-Lab	69.7587, -6.3553, 15.3762

# Details

The Yxy color **48.6628, 0.3394, 0.3652** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.2511, 0.2851, 0.2900**, and the grayscale version is **48.1815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2648, 0.3347, 0.3582**, and **23.1550, 0.3458, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **46.8388, 0.3559, 0.3868**, and if you desaturate by 10%, it is **50.6186, 0.3236, 0.3440**.

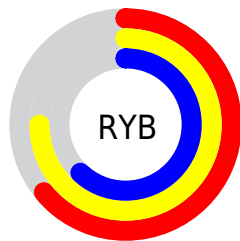
# Distribution



Red (75%)

Green (73%)

Blue (62%)



Red (64%)

Yellow (75%)

Blue (62%)

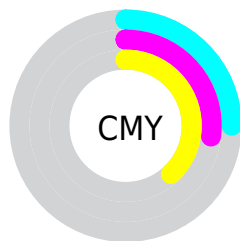


Cyan (0%)

Magenta (3%)

Yellow (17%)

Black (25%)



Cyan (25%)

Magenta (27%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6628, 0.3394, 0.3652 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 48.6628, 0.3394, 0.3652 by changing the saturation by 10% instead.





 48.6628, 0.3394,  
0.3652


 48.6628, 0.3394,  
0.3652

381.4133, 0.3262,  
0.3471

 34.3521, 0.3426,  
0.3697


 88.1904, 0.3347,  
0.3586

 23.1642, 0.3467,  
0.3755


 114.1761, 0.3329,  
0.3562

 14.7148, 0.3521,  
0.3831


144.8222, 0.3313,  
0.3541

 8.6195, 0.3594,  
0.3937

180.5132, 0.3300,  
0.3523

 4.4938, 0.3700,  
0.4092

221.6334, 0.3289,  
0.3508

 1.9535, 0.3870,  
0.4350

268.5672, 0.3279,

 0.5802, 0.4527,

0.3494

0.5473

321.6991, 0.3270,  
0.3482

0.0000, 0.0000,  
0.0000

48.6628, 0.3394,  
0.3652

48.6628, 0.3394,  
0.3652

46.8388, 0.3559,  
0.3868

50.6186, 0.3236,  
0.3440

45.1352, 0.3727,  
0.4081

52.7043, 0.3088,  
0.3236

43.5489, 0.3894,  
0.4282

54.9262, 0.2951,  
0.3043

42.0744, 0.4052,  
0.4463

57.2886, 0.2826,  
0.2864

40.7052, 0.4194,  
0.4612

59.7952, 0.2712,  
0.2698

■ 39.4344, 0.4315,  
0.4723

■ 61.2610, 0.2706,  
0.2717

■ 38.2536, 0.4409,  
0.4789

■ 62.6588, 0.2709,  
0.2750

■ 37.1513, 0.4476,  
0.4812

■ 64.0829, 0.2712,  
0.2784

■ 36.8604, 0.4492,  
0.4815

■ 65.5332, 0.2715,  
0.2817

# Harmonies

## Analogous

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



48.6628, 0.3517, 0.3566



48.6628, 0.3394, 0.3652



48.6628, 0.3201, 0.3637

# Triad

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



48.6628, 0.3394, 0.3652



48.6628, 0.2737, 0.3145



48.6628, 0.3254, 0.3076

# Complementary

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



48.6628, 0.3394, 0.3652



37.2511, 0.2851, 0.2900

# 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.



48.6628, 0.3043, 0.2970



48.6628, 0.3394, 0.3652



48.6628, 0.2750, 0.3003

# Square

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



48.6628, 0.3394, 0.3652



48.6628, 0.2825, 0.3336



48.6628, 0.2860, 0.2942



48.6628, 0.3436, 0.3235



# Rectangle

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



48.6628, 0.3394, 0.3652



48.6628, 0.3061, 0.3569



48.6628, 0.2860, 0.2942



48.6628, 0.3184, 0.3033

# Sweetspot

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



48.6650, 0.3394, 0.3652



91.4175, 0.3203, 0.3394



38.2028, 0.3401, 0.3218



20.0173, 0.3213, 0.3409



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.



48.6650, 0.3394, 0.3652



85.7671, 0.3460, 0.3739



49.4566, 0.3289, 0.3727



10.8651, 0.3268, 0.3483



24.3071, 0.4487, 0.4819



1.0204, 0.4406, 0.4883



# Inverse Universe

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



37.2511, 0.2851, 0.2900



61.2712, 0.2780, 0.2797



36.6590, 0.2945, 0.2841



9.4547, 0.2984, 0.3090



3.1328, 0.1539, 0.0741

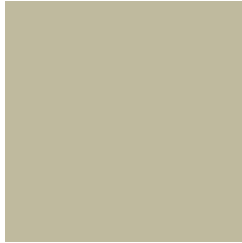


0.1984, 0.1643, 0.1113



# Previews

## White Background



This preview shows how the Yxy color 48.6628, 0.3394, 0.3652 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

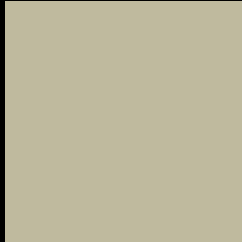
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.6628, 0.3394, 0.3652 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

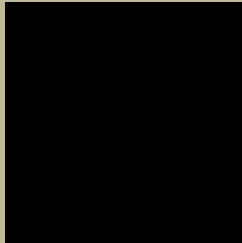
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

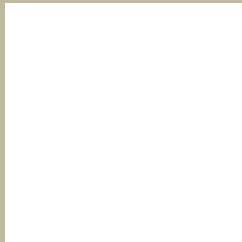
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.6628, 0.3394, 0.3652**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.6628, 0.3394, 0.3652.



This preview shows how white text looks on a background with the Yxy color 48.6628, 0.3394, 0.3652.

# 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

48.6628, 0.3394, 0.3652

### Protanopia

48.7343, 0.3440, 0.3649

### Deuteranopia

48.3759, 0.3587, 0.3511



## Tritanopia

48.7236, 0.3144, 0.3117

# Trichromacy



## Original Color

48.6628, 0.3394, 0.3652

## Protanomaly

48.6016, 0.3431, 0.3650

## Deuteranomaly

48.3883, 0.3514, 0.3566

## Tritanomaly

48.7137, 0.3229, 0.3303

# Monochromacy



## Original Color

48.6628, 0.3394, 0.3652

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.3579, 0.3223, 0.3419

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6628, 0.3394, 0.3652 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, 186, 158)` looks like.

```
.text, #text, p{  
    color:rgb(191, 186, 158)  
}
```

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, 186, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 186, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6628, 0.3394, 0.3652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

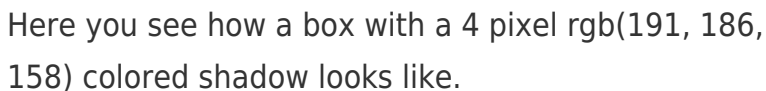
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 186, 158) }
```

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

```
.border{ border-color:rgb(191, 186, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 186, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 186, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 186, 158); box-shadow:4px 4px 4px 4px rgb(191, 186, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6628, 0.3394, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 186, 158) }
```

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

```
.background{ background-color: rgb(191,  
186, 158) }
```

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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