

# Converting Colors

$Yxy(48.4716, 0.3235, 0.3425)$

Have a look what the booklet for  
Yxy(48.4716, 0.3235, 0.3425)  
contains.

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# Color

**Yxy(48.4844, 0.3231, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB9AF
RGB	188, 185, 175
RGB Percent	74%, 73%, 69%
CMY	0.2629, 0.2744, 0.3137
CMYK	0.00, 0.02, 0.07, 0.26
HSL	46°, 9%, 71%
HSV	46°, 7%, 74%
XYZ	45.8184, 48.4844, 47.5059
YIQ	184.7570, 4.9980, -2.4740

# Conversions

## Conversions Part 2

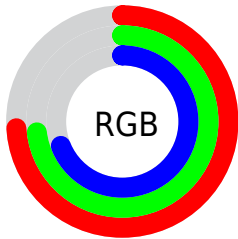
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 188, 175
Decimal	12368303
CIELab	75.13, -0.75, 5.43
CIELCh	75, 5.481, 97.898
Yxy	48.4844, 0.3231, 0.3419
Android (android.graphics.Color)	4290558383 (0xFFBCB9AF)
YUV	184.7570, -4.8102, 2.8441
Hunter-Lab	69.6307, -4.3973, 8.2906

# Details

The Yxy color **48.4844, 0.3231, 0.3419** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.5650, 0.3023, 0.3158**, and the grayscale version is **48.3970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9132, 0.3208, 0.3391**, and **23.0835, 0.3259, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **46.0396, 0.3392, 0.3613**, and if you desaturate by 10%, it is **51.0898, 0.3082, 0.3233**.

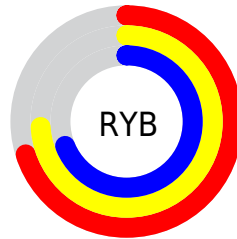
# Distribution



Red (74%)

Green (73%)

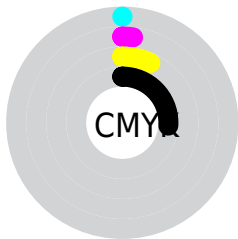
Blue (69%)



Red (70%)

Yellow (74%)

Blue (69%)

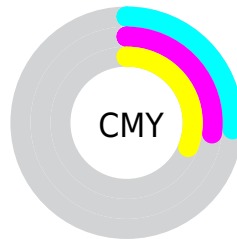


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (26%)



Cyan (26%)

Magenta (27%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4844, 0.3231, 0.3419 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 48.4844, 0.3231, 0.3419 by changing the saturation by 10% instead.



■ 48.4844, 0.3231,  
0.3419

■ 48.4844, 0.3231,  
0.3419

380.7090, 0.3179,  
0.3355

■ 34.2107, 0.3244,  
0.3435

■ 87.9252, 0.3212,  
0.3396

■ 23.0555, 0.3260,  
0.3455

113.8610, 0.3205,  
0.3387

■ 14.6345, 0.3282,  
0.3483

144.4530, 0.3199,  
0.3380

■ 8.5633, 0.3312,  
0.3520

180.0855, 0.3194,  
0.3373

■ 4.4574, 0.3356,  
0.3577

221.1430, 0.3190,  
0.3368

■ 1.9326, 0.3429,  
0.3669

268.0098, 0.3186,

■ 0.5679, 0.3926,

0.3363

0.4276

321.0703, 0.3183,  
0.3359

0.0000, 0.0000,  
0.0000

48.4844, 0.3231,  
0.3419

48.4844, 0.3231,  
0.3419

46.0396, 0.3392,  
0.3613

51.0898, 0.3082,  
0.3233

43.7445, 0.3564,  
0.3812

53.8539, 0.2946,  
0.3058

41.5961, 0.3743,  
0.4010

56.7830, 0.2823,  
0.2896

39.5890, 0.3925,  
0.4198

59.8812, 0.2713,  
0.2746

37.7176, 0.4103,  
0.4368

62.2183, 0.2690,  
0.2746

■ 35.9755, 0.4270,  
0.4509

■ 64.3055, 0.2694,  
0.2795

■ 34.3554, 0.4419,  
0.4612

■ 66.4489, 0.2699,  
0.2844

■ 32.8494, 0.4541,  
0.4669

■ 68.6490, 0.2704,  
0.2893

■ 31.4462, 0.4635,  
0.4681

■ 70.9062, 0.2708,  
0.2942

# Harmonies

## Analogous

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



48.4844, 0.3271, 0.3387



48.4844, 0.3231, 0.3419



48.4844, 0.3164, 0.3416

# Triad

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



48.4844, 0.3231, 0.3419



48.4844, 0.2985, 0.3247



48.4844, 0.3166, 0.3205

# Complementary

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



48.4844, 0.3231, 0.3419



44.5650, 0.3023, 0.3158

# 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.



48.4844, 0.3089, 0.3168



48.4844, 0.3231, 0.3419



48.4844, 0.2986, 0.3191

# Square

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



48.4844, 0.3231, 0.3419



48.4844, 0.3022, 0.3315



48.4844, 0.3024, 0.3163



48.4844, 0.3233, 0.3264



# Rectangle

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



48.4844, 0.3231, 0.3419



48.4844, 0.3113, 0.3394



48.4844, 0.3024, 0.3163



48.4844, 0.3140, 0.3190

# Sweetspot

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



48.4865, 0.3231, 0.3419



90.1761, 0.3157, 0.3328



44.5656, 0.3217, 0.3251



19.4026, 0.3156, 0.3326



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.



48.4865, 0.3231, 0.3419



87.3534, 0.3250, 0.3443



49.2960, 0.3198, 0.3458



10.7431, 0.3270, 0.3466



21.2494, 0.4655, 0.4686



0.9242, 0.4523, 0.4791



# Inverse Universe

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



44.5650, 0.3023, 0.3158



79.0283, 0.3003, 0.3132



43.8130, 0.3053, 0.3120



9.5674, 0.2984, 0.3107



3.7273, 0.1573, 0.0861



0.2476, 0.1702, 0.1328



# Previews

## White Background



This preview shows how the Yxy color 48.4844, 0.3231, 0.3419 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 48.4844, 0.3231, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

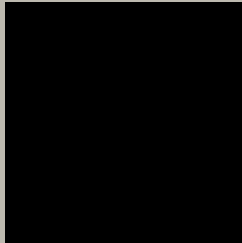
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

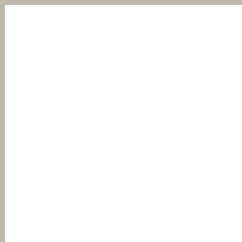
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.4844, 0.3231, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4844, 0.3231, 0.3419.



This preview shows how white text looks on a background with the Yxy color 48.4844, 0.3231, 0.3419.

# 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

48.4844, 0.3231, 0.3419

### Protanopia

48.4525, 0.3259, 0.3405

### Deuteranopia

48.4966, 0.3390, 0.3328



## Tritanopia

48.5178, 0.3093, 0.3115

# Trichromacy



## Original Color

48.4844, 0.3231, 0.3419

## Protanomaly

48.3233, 0.3250, 0.3406

## Deuteranomaly

48.3245, 0.3325, 0.3353

## Tritanomaly

48.4450, 0.3147, 0.3227

# Monochromacy



## Original Color

48.4844, 0.3231, 0.3419

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.4732, 0.3167, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4844, 0.3231, 0.3419 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(188, 185, 175)` looks like.

```
.text, #text, p{  
    color:rgb(188, 185, 175)  
}
```

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(188, 185, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 185, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4844, 0.3231, 0.3419 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(188, 185, 175) }
```

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

```
.border{ border-color:rgb(188, 185, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 185, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 185, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 185, 175);  
box-shadow:4px 4px 4px 4px rgb(188, 185,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4844, 0.3231, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 185, 175) }
```

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

```
.background{ background-color: rgb(188,  
185, 175) }
```

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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