

# Converting Colors

$Yxy(48.8866, 0.3223, 0.3328)$

Have a look what the booklet for  
Yxy(48.8866, 0.3223, 0.3328)  
contains.

<b>Yxy(48.8236, 0.3219, 0.3328)</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(48.8236, 0.3219, 0.3328)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0B8B5
RGB	192, 184, 181
RGB Percent	75%, 72%, 71%
CMY	0.2470, 0.2784, 0.2901
CMYK	0.00, 0.04, 0.06, 0.25
HSL	16°, 8%, 73%
HSV	16°, 6%, 75%
XYZ	47.2245, 48.8236, 50.6574
YIQ	186.0500, 5.7310, 0.7630

# Conversions

## Conversions Part 2

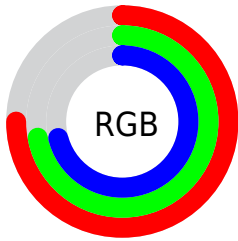
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">192, 185, 181</a>
Decimal	<a href="#">12630197</a>
CIELab	<a href="#">75.34, 2.30, 2.51</a>
CIELCh	<a href="#">75, 3.408, 47.481</a>
Yxy	<a href="#">48.8236, 0.3219, 0.3328</a>
Android (android.graphics.Color)	<a href="#">4290820277</a> ( <a href="#">0xFFC0B8B5</a> )
YUV	<a href="#">186.0500, -2.4897, 5.2181</a>
Hunter-Lab	<a href="#">69.8739, -1.6395, 5.9274</a>

# Details

The Yxy color `48.8236, 0.3219, 0.3328` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `50.0452, 0.3040, 0.3252`, and the grayscale version is `49.1471, 0.3127, 0.3290`.

A 20% lighter version of the original color is `88.3911, 0.3198, 0.3320`, and `23.2801, 0.3253, 0.3342` is the 20% darker color. If you saturate the color by 10%, you get `42.5593, 0.3403, 0.3398`, and if you desaturate by 10%, it is `55.7765, 0.3065, 0.3263`.

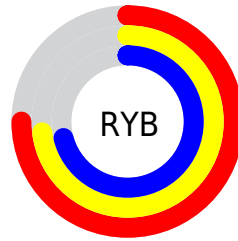
# Distribution



Red (75%)

Green (72%)

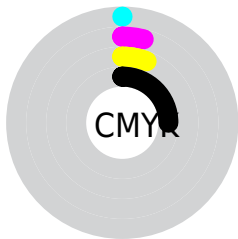
Blue (71%)



Red (75%)

Yellow (73%)

Blue (71%)

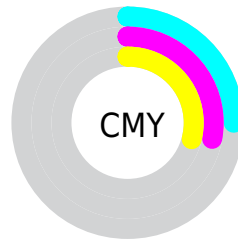


Cyan (0%)

Magenta (4%)

Yellow (6%)

Black (25%)



Cyan (25%)

Magenta (28%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8236, 0.3219, 0.3328 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 48.8236, 0.3219, 0.3328 by changing the saturation by 10% instead.




 48.8236, 0.3219,  
0.3328

 48.8236, 0.3219,  
0.3328


382.0475, 0.3173,  
0.3309

 34.4796, 0.3230,  
0.3333


 88.4294, 0.3202,  
0.3321

 23.2623, 0.3245,  
0.3338


114.4600, 0.3196,  
0.3319

 14.7873, 0.3264,  
0.3346


145.1548, 0.3191,  
0.3317

 8.6702, 0.3291,  
0.3357

180.8984, 0.3186,  
0.3315

 4.5267, 0.3331,  
0.3372

222.0750, 0.3183,  
0.3313

 1.9723, 0.3397,  
0.3397

269.0692, 0.3179,

 0.5913, 0.3685,

0.3312

0.3524

322.2652, 0.3176,  
0.3311

0.0000, 0.0000,  
0.0000

48.8236, 0.3219,  
0.3328

48.8236, 0.3219,  
0.3328

42.5593, 0.3403,  
0.3398

55.7765, 0.3065,  
0.3263

36.9562, 0.3622,  
0.3472

63.4317, 0.2935,  
0.3203

31.9942, 0.3882,  
0.3546

71.8107, 0.2826,  
0.3148

27.6500, 0.4183,  
0.3618

80.7488, 0.2748,  
0.3128

23.8987, 0.4526,  
0.3679

89.3125, 0.2762,  
0.3278

■ 20.7136, 0.4900,  
0.3720

■ 89.9496, 0.2763,  
0.3289

■ 18.0660, 0.5281,  
0.3730

■ 15.9243, 0.5637,  
0.3700

■ 14.2528, 0.5927,  
0.3625

# Harmonies

## Analogous

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



48.8236, 0.3203, 0.3287



48.8236, 0.3219, 0.3328



48.8236, 0.3211, 0.3359

# Triad

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



48.8236, 0.3219, 0.3328



48.8236, 0.3088, 0.3333



48.8236, 0.3075, 0.3210

# Complementary

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



48.8236, 0.3219, 0.3328



50.0452, 0.3040, 0.3252

# 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.



48.8236, 0.3044, 0.3221



48.8236, 0.3219, 0.3328



48.8236, 0.3052, 0.3292

# Square

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



48.8236, 0.3219, 0.3328



48.8236, 0.3135, 0.3362



48.8236, 0.3036, 0.3251



48.8236, 0.3119, 0.3219



# Rectangle

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



48.8236, 0.3219, 0.3328



48.8236, 0.3192, 0.3370



48.8236, 0.3036, 0.3251



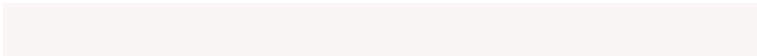
48.8236, 0.3062, 0.3211

# Sweetspot

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



48.8257, 0.3219, 0.3328



92.9595, 0.3159, 0.3303



47.9407, 0.3157, 0.3189



19.9702, 0.3157, 0.3303



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

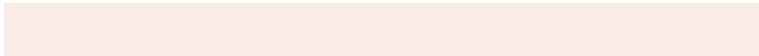


# Same Dimension

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



48.8257, 0.3219, 0.3328



86.8077, 0.3242, 0.3337



51.1376, 0.3213, 0.3396



10.7843, 0.3249, 0.3340



9.3065, 0.6013, 0.3608



0.5208, 0.5559, 0.3968

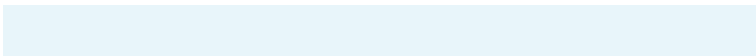


# Inverse Universe

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



50.0452, 0.3040, 0.3252



89.5223, 0.3019, 0.3242



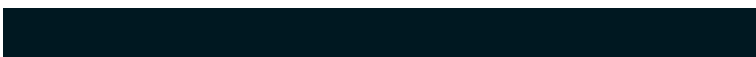
47.7400, 0.3041, 0.3181



11.1408, 0.3013, 0.3239



15.3139, 0.1999, 0.2395

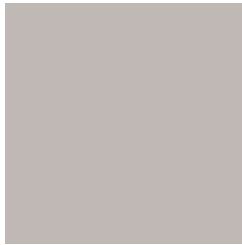


0.7709, 0.2061, 0.2618



# Previews

## White Background



This preview shows how the Yxy color 48.8236, 0.3219, 0.3328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

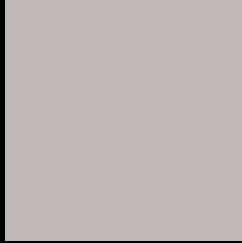
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8236, 0.3219, 0.3328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

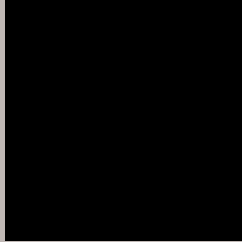
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

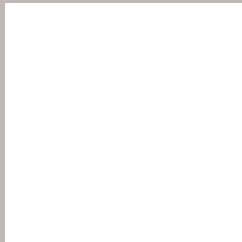
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.8236, 0.3219, 0.3328**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.8236, 0.3219, 0.3328.



This preview shows how white text looks on a background with the Yxy color 48.8236, 0.3219, 0.3328.

# 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

48.8236, 0.3219, 0.3328

### Protanopia

48.9813, 0.3201, 0.3341

### Deuteranopia

48.5967, 0.3330, 0.3254



## Tritanopia

48.9108, 0.3118, 0.3117

# Trichromacy



## Original Color

48.8236, 0.3219, 0.3328

## Protanomaly

49.1105, 0.3209, 0.3341

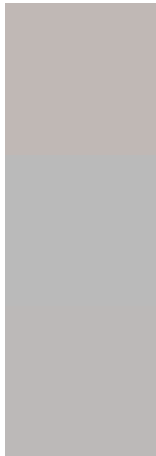
## Deuteranomaly

48.7045, 0.3284, 0.3278

## Tritanomaly

48.9660, 0.3149, 0.3190

# Monochromacy



## Original Color

48.8236, 0.3219, 0.3328

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

48.8500, 0.3160, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8236, 0.3219, 0.3328 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(192, 184, 181)` looks like.

```
.text, #text, p{  
    color:rgb(192, 184, 181)  
}
```

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(192, 184, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 184, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8236, 0.3219, 0.3328 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(192, 184, 181) }
```

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

```
.border{ border-color:rgb(192, 184, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 184, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 184, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 184, 181);  
box-shadow:4px 4px 4px 4px rgb(192, 184,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8236, 0.3219, 0.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 184, 181) }
```

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

```
.background{ background-color: rgb(192,  
184, 181) }
```

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