

# Converting Colors

$Y_{xy}(48.2765, 0.3236, 0.3642)$

Have a look what the booklet for  
Yxy(48.2765, 0.3236, 0.3642)  
contains.

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# Color

**Yxy(48.3509, 0.3235, 0.3650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1BDA2
RGB	177, 189, 162
RGB Percent	69%, 74%, 64%
CMY	0.3058, 0.2588, 0.3646
CMYK	0.06, 0.00, 0.14, 0.26
HSL	87°, 17%, 69%
HSV	87°, 14%, 74%
XYZ	42.8535, 48.3509, 41.2639
YIQ	182.3340, 1.5150, -10.9410

# Conversions

## Conversions Part 2

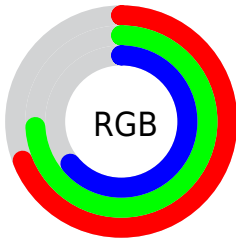
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 189, 174
Decimal	11648418
CIELab	75.05, -9.04, 12.24
CIELCh	75, 15.217, 126.436
Yxy	48.3509, 0.3235, 0.3650
Android (android.graphics.Color)	4289838498 (0xFFB1BDA2)
YUV	182.3340, -10.0247, -4.6779
Hunter-Lab	69.5348, -11.6785, 13.4901

# Details

The Yxy color  $48.3509, 0.3235, 0.3650$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $38.5204, 0.3007, 0.2928$ , and the grayscale version is  $47.0281, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.6382, 0.3218, 0.3580$ , and  $23.0192, 0.3262, 0.3768$  is the 20% darker color. If you saturate the color by 10%, you get  $46.7744, 0.3309, 0.3924$ , and if you desaturate by 10%, it is  $50.0934, 0.3159, 0.3394$ .

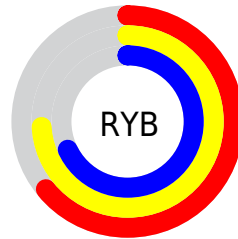
# Distribution



Red (69%)

Green (74%)

Blue (64%)



Red (64%)

Yellow (74%)

Blue (68%)

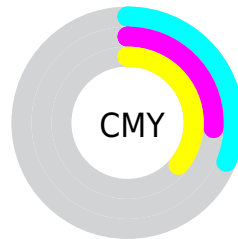


Cyan (6%)

Magenta (0%)

Yellow (14%)

Black (26%)



Cyan (31%)

Magenta (26%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3509, 0.3235, 0.3650 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 48.3509, 0.3235, 0.3650 by changing the saturation by 10% instead.



 48.3509, 0.3235,  
0.3650


 48.3509, 0.3235,  
0.3650


380.1813, 0.3183,  
0.3468

 34.1049, 0.3247,  
0.3696


 87.7266, 0.3217,  
0.3583

 22.9742, 0.3263,  
0.3756


 113.6251, 0.3210,  
0.3559

 14.5744, 0.3283,  
0.3836


144.1765, 0.3203,  
0.3538

 8.5213, 0.3309,  
0.3948

179.7652, 0.3198,  
0.3520

 4.4303, 0.3345,  
0.4119

220.7757, 0.3194,  
0.3504

 1.9170, 0.3394,  
0.4405

267.5923, 0.3190,

 0.5586, 0.3571,

0.3491

0.6429

320.5993, 0.3186,  
0.3479

0.0000, 0.0000,  
0.0000

48.3509, 0.3235,  
0.3650

48.3509, 0.3235,  
0.3650

46.7744, 0.3309,  
0.3924

50.0934, 0.3159,  
0.3394

45.3519, 0.3378,  
0.4210

52.0007, 0.3085,  
0.3157

44.0796, 0.3439,  
0.4501


54.0801, 0.3012,  
0.2943


42.9511, 0.3486,  
0.4784


56.3362, 0.2943,  
0.2749


41.9595, 0.3515,  
0.5047


58.6755, 0.2889,  
0.2589


 41.0971, 0.3523,  
0.5276


 60.0111, 0.2950,  
0.2602

 40.3550, 0.3508,  
0.5459

 61.4133, 0.3013,  
0.2614

 39.7231, 0.3471,  
0.5589

 62.8831, 0.3076,  
0.2627

 39.3999, 0.3444,  
0.5648

 64.4214, 0.3139,  
0.2640

# Harmonies

## Analogous

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



48.3509, 0.3422, 0.3647



48.3509, 0.3235, 0.3650



48.3509, 0.3024, 0.3546

# Triad

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



48.3509, 0.3235, 0.3650



48.3509, 0.2738, 0.3019



48.3509, 0.3414, 0.3207

# Complementary

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



48.3509, 0.3235, 0.3650



38.5204, 0.3007, 0.2928

# 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.



48.3509, 0.3222, 0.3053



48.3509, 0.3235, 0.3650



48.3509, 0.2834, 0.2943

# Square

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



48.3509, 0.3235, 0.3650



48.3509, 0.2742, 0.3172



48.3509, 0.3009, 0.2957



48.3509, 0.3529, 0.3386



# Rectangle

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



48.3509, 0.3235, 0.3650



48.3509, 0.2898, 0.3432



48.3509, 0.3009, 0.2957



48.3509, 0.3356, 0.3151

# Sweetspot

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



48.3530, 0.3235, 0.3650



89.7865, 0.3158, 0.3388



43.5883, 0.3366, 0.3445



19.2553, 0.3163, 0.3407



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

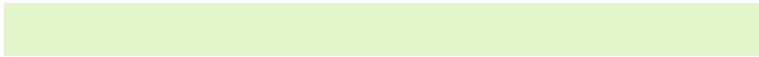


# Same Dimension

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



48.3530, 0.3235, 0.3650



85.7232, 0.3257, 0.3730



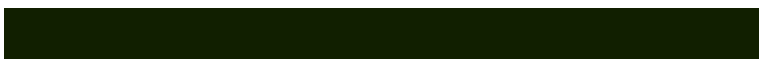
46.8776, 0.3124, 0.3662



10.9039, 0.3198, 0.3521



26.5553, 0.3453, 0.5641



1.0784, 0.3627, 0.5502



# Inverse Universe

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



38.5204, 0.3007, 0.2928



64.8576, 0.2978, 0.2846



40.1112, 0.3127, 0.2941



9.4272, 0.3051, 0.3058



3.7834, 0.1931, 0.0838



0.1870, 0.2210, 0.0991



# Previews

## White Background



This preview shows how the Yxy color 48.3509, 0.3235, 0.3650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

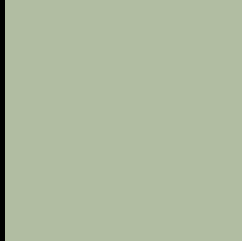
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3509, 0.3235, 0.3650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

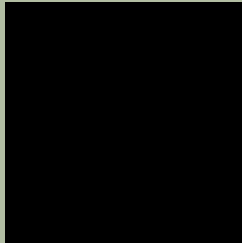
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.3509, 0.3235, 0.3650**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3509, 0.3235, 0.3650.



This preview shows how white text looks on a background with the Yxy color 48.3509, 0.3235, 0.3650.

# 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

48.3509, 0.3235, 0.3650

### Protanopia

48.2884, 0.3408, 0.3599

### Deuteranopia

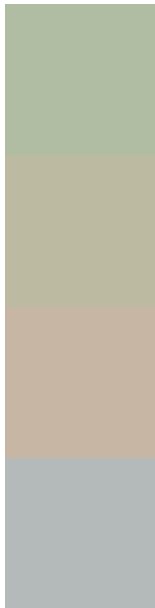
48.2228, 0.3533, 0.3463



## Tritanopia

48.3033, 0.3004, 0.3112

# Trichromacy



## Original Color

48.3509, 0.3235, 0.3650

## Protanomaly

48.3824, 0.3343, 0.3616

## Deuteranomaly

48.1060, 0.3423, 0.3532

## Tritanomaly

48.3239, 0.3085, 0.3303

# Monochromacy



## Original Color

48.3509, 0.3235, 0.3650

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.4964, 0.3163, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  48.3509, 0.3235, 0.3650 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(177, 189, 162)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 162)  
}
```

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(177, 189, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3509, 0.3235, 0.3650 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(177, 189, 162) }
```

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

```
.border{ border-color:rgb(177, 189, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 189, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 162);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3509, 0.3235, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 162) }
```

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

```
.background{ background-color: rgb(177,  
189, 162) }
```

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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