

# Converting Colors

$Yxy(48.5941, 0.3181, 0.3581)$

Have a look what the booklet for  
Yxy(48.5941, 0.3181, 0.3581)  
contains.

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# Color

**Yxy(48.4525, 0.3180, 0.3569)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BDA8
RGB	176, 189, 168
RGB Percent	69%, 74%, 66%
CMY	0.3098, 0.2588, 0.3411
CMYK	0.07, 0.00, 0.11, 0.26
HSL	97°, 14%, 70%
HSV	97°, 11%, 74%
XYZ	43.1715, 48.4525, 44.1354
YIQ	182.7190, -1.0070, -9.2870

# Conversions

## Conversions Part 2

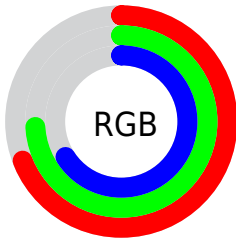
Format	Color
<b>RYB</b>	168, 189, 181
Decimal	11582888
CIELab	75.11, -8.37, 9.07
CIELCh	75, 12.340, 132.689
Yxy	48.4525, 0.3180, 0.3569
Android (android.graphics.Color)	4289772968 (0xFFB0BDA8)
YUV	182.7190, -7.2565, -5.8926
Hunter-Lab	69.6078, -11.1062, 11.1322

# Details

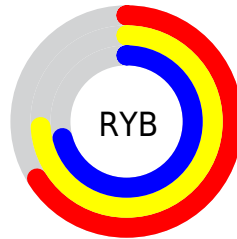
The Yxy color **48.4525, 0.3180, 0.3569** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.5173, 0.3069, 0.3015**, and the grayscale version is **47.2346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7883, 0.3175, 0.3517**, and **23.0802, 0.3188, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **46.4928, 0.3226, 0.3846**, and if you desaturate by 10%, it is **50.6367, 0.3132, 0.3316**.

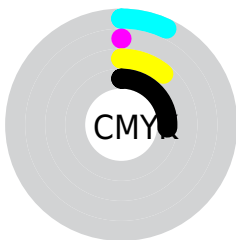
# Distribution



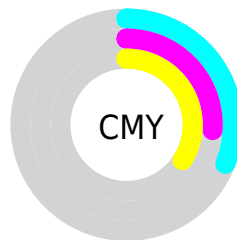
- Red (69%)
- Green (74%)
- Blue (66%)



- Red (66%)
- Yellow (74%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)



- Cyan (31%)
- Magenta (26%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4525, 0.3180, 0.3569 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 48.4525, 0.3180, 0.3569 by changing the saturation by 10% instead.



■ 48.4525, 0.3180,  
0.3569

■ 48.4525, 0.3180,  
0.3569

380.5829, 0.3155,  
0.3428

■ 34.1854, 0.3186,  
0.3605

■ 87.8778, 0.3171,  
0.3518

■ 23.0360, 0.3193,  
0.3651

113.8047, 0.3168,  
0.3498

■ 14.6201, 0.3203,  
0.3712

144.3869, 0.3165,  
0.3482

■ 8.5532, 0.3215,  
0.3799

180.0090, 0.3162,  
0.3468

■ 4.4509, 0.3231,  
0.3931

221.0553, 0.3160,  
0.3456

■ 1.9289, 0.3253,  
0.4153

267.9101, 0.3158,

■ 0.5656, 0.3708,

0.3446

0.6292

320.9578, 0.3156,  
0.3436

0.0000, 0.0000,  
0.0000

48.4525, 0.3180,  
0.3569

48.4525, 0.3180,  
0.3569

46.4928, 0.3226,  
0.3846

50.6367, 0.3132,  
0.3316

44.7441, 0.3268,  
0.4142

53.0460, 0.3085,  
0.3088

43.2004, 0.3303,  
0.4452


55.6894, 0.3039,  
0.2885


41.8537, 0.3327,  
0.4765

58.5731, 0.2994,  
0.2704

40.6947, 0.3337,  
0.5065


61.2088, 0.3004,  
0.2612

 39.7139, 0.3330,  
0.5336

 63.2650, 0.3092,  
0.2630

 38.9004, 0.3305,  
0.5560

 64.8765, 0.3157,  
0.2644

 38.2416, 0.3264,  
0.5725

 37.7674, 0.3218,  
0.5827

# Harmonies

## Analogous

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



48.4525, 0.3339, 0.3587



48.4525, 0.3180, 0.3569



48.4525, 0.3010, 0.3470

# Triad

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



48.4525, 0.3180, 0.3569



48.4525, 0.2820, 0.3052



48.4525, 0.3385, 0.3253

# Complementary

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



48.4525, 0.3180, 0.3569



41.5173, 0.3069, 0.3015

# 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.



48.4525, 0.3240, 0.3120



48.4525, 0.3180, 0.3569



48.4525, 0.2915, 0.3004

# Square

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



48.4525, 0.3180, 0.3569



48.4525, 0.2806, 0.3166



48.4525, 0.3067, 0.3029



48.4525, 0.3460, 0.3399



# Rectangle

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



48.4525, 0.3180, 0.3569



48.4525, 0.2913, 0.3373



48.4525, 0.3067, 0.3029



48.4525, 0.3343, 0.3205

# Sweetspot

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



48.4546, 0.3180, 0.3569



89.8935, 0.3142, 0.3364



46.6799, 0.3302, 0.3458



19.2615, 0.3146, 0.3383



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.



48.4546, 0.3180, 0.3569



86.0054, 0.3190, 0.3625



47.6446, 0.3095, 0.3541



10.8215, 0.3172, 0.3523



25.4509, 0.3227, 0.5820



1.0347, 0.3426, 0.5662



# Inverse Universe

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



41.5173, 0.3069, 0.3015



71.4311, 0.3056, 0.2960



42.4035, 0.3161, 0.3052



9.5103, 0.3079, 0.3060



5.0700, 0.2286, 0.1033



0.2350, 0.2510, 0.1156



# Previews

## White Background



This preview shows how the Yxy color 48.4525, 0.3180, 0.3569 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

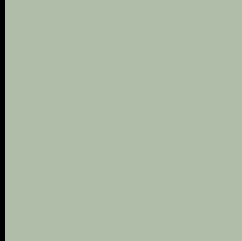
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4525, 0.3180, 0.3569 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

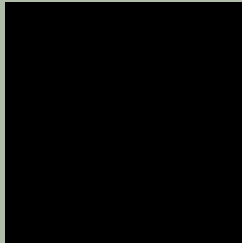
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4525, 0.3180, 0.3569**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.4525, 0.3180, 0.3569.



This preview shows how white text looks on a background with the Yxy color 48.4525, 0.3180, 0.3569.

# 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

48.4525, 0.3180, 0.3569

### Protanopia

48.2041, 0.3349, 0.3535

### Deuteranopia

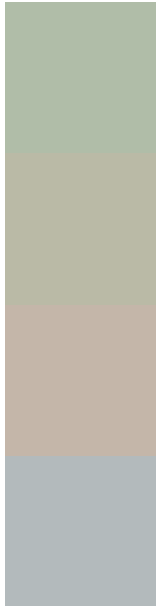
48.1530, 0.3462, 0.3389



## Tritanopia

48.6452, 0.2988, 0.3112

# Trichromacy



## Original Color

48.4525, 0.3180, 0.3569

## Protanomaly

48.3101, 0.3285, 0.3551

## Deuteranomaly

48.0562, 0.3355, 0.3456

## Tritanomaly

48.3324, 0.3054, 0.3264

# Monochromacy



## Original Color

48.4525, 0.3180, 0.3569

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.6156, 0.3140, 0.3382

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4525, 0.3180, 0.3569 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(176, 189, 168)` looks like.

```
.text, #text, p{  
    color:rgb(176, 189, 168)  
}
```

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(176, 189, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 189, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4525, 0.3180, 0.3569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

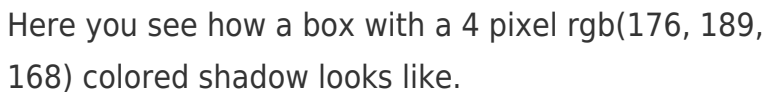
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 189, 168) }
```

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

```
.border{ border-color:rgb(176, 189, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 189, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 189, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 189, 168); box-shadow:4px 4px 4px 4px rgb(176, 189, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4525, 0.3180, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 189, 168) }
```

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

```
.background{ background-color: rgb(176,  
189, 168) }
```

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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