

# Converting Colors

$Y_{xy}(49.3039, 0.3068, 0.3379)$

Have a look what the booklet for  
Yxy(49.3039, 0.3068, 0.3379)  
contains.

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# Color

**Yxy(49.4759, 0.3066, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0BEB7
RGB	176, 190, 183
RGB Percent	69%, 75%, 72%
CMY	0.3098, 0.2549, 0.2823
CMYK	0.07, 0.00, 0.04, 0.25
HSL	150°, 10%, 72%
HSV	150°, 7%, 75%
XYZ	44.8663, 49.4759, 51.9929
YIQ	185.0160, -6.0970, -5.1450

# Conversions

## Conversions Part 2

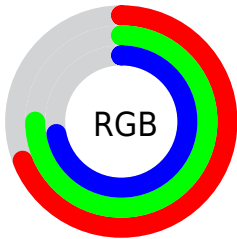
Format	Color
<a href="#">RYB</a>	<a href="#">176, 185, 190</a>
Decimal	<a href="#">11583159</a>
CIELab	<a href="#">75.75, -6.15, 1.86</a>
CIELCh	<a href="#">76, 6.422, 163.166</a>
Yxy	<a href="#">49.4759, 0.3066, 0.3381</a>
Android (android.graphics.Color)	<a href="#">4289773239 (0xFFB0BEB7)</a>
YUV	<a href="#">185.0160, -0.9939, -7.9070</a>
Hunter-Lab	<a href="#">70.3391, -9.2358, 5.4117</a>

# Details

The Yxy color **49.4759, 0.3066, 0.3381** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.4170, 0.3193, 0.3201**, and the grayscale version is **48.5348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2993, 0.3079, 0.3361**, and **23.7140, 0.3045, 0.3415** is the 20% darker color. If you saturate the color by 10%, you get **47.0343, 0.2985, 0.3517**, and if you desaturate by 10%, it is **52.2583, 0.3149, 0.3259**.

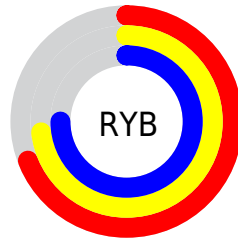
# Distribution



Red (69%)

Green (75%)

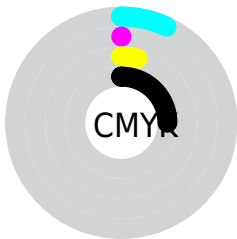
Blue (72%)



Red (69%)

Yellow (73%)

Blue (75%)

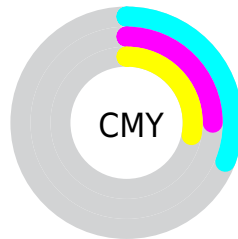


Cyan (7%)

Magenta (0%)

Yellow (4%)

Black (25%)



Cyan (31%)

Magenta (25%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4759, 0.3066, 0.3381 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 49.4759, 0.3066, 0.3381 by changing the saturation by 10% instead.



■ 49.4759, 0.3066,  
0.3381

■ 49.4759, 0.3066,  
0.3381

384.6128, 0.3096,  
0.3336

■ 34.9971, 0.3058,  
0.3392

■ 89.3979, 0.3077,  
0.3365

■ 23.6607, 0.3049,  
0.3407

115.6099, 0.3081,  
0.3358

■ 15.0821, 0.3036,  
0.3426

146.5017, 0.3085,  
0.3353

■ 8.8770, 0.3018,  
0.3453

182.4578, 0.3088,  
0.3349

■ 4.6611, 0.2991,  
0.3493

223.8626, 0.3090,  
0.3345

■ 2.0498, 0.2947,  
0.3559

271.1004, 0.3093,

■ 0.6362, 0.2749,

0.3341

0.3848

324.5557, 0.3095,  
0.3338

0.0000, 0.0000,  
0.0000

49.4759, 0.3066,  
0.3381

49.4759, 0.3066,  
0.3381

47.0343, 0.2985,  
0.3517

52.2583, 0.3149,  
0.3259

44.9138, 0.2907,  
0.3668

55.3878, 0.3232,  
0.3151

43.1024, 0.2837,  
0.3832


58.8784, 0.3314,  
0.3056

41.5847, 0.2776,  
0.4010


62.7413, 0.3393,  
0.2973


40.3441, 0.2728,  
0.4197


63.8251, 0.3342,  
0.2883

 39.3620, 0.2697,  
0.4391

 64.3737, 0.3269,  
0.2792

 38.6179, 0.2684,  
0.4586

 64.9517, 0.3198,  
0.2704

 38.0875, 0.2691,  
0.4778

 65.3082, 0.3157,  
0.2653

 37.7364, 0.2717,  
0.4960

# Harmonies

## Analogous

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



49.4759, 0.3154, 0.3432



49.4759, 0.3066, 0.3381



49.4759, 0.2995, 0.3305

# Triad

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



49.4759, 0.3066, 0.3381



49.4759, 0.3018, 0.3141



49.4759, 0.3298, 0.3350

# Complementary

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



49.4759, 0.3066, 0.3381



45.4170, 0.3193, 0.3201

# 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.



49.4759, 0.3261, 0.3273



49.4759, 0.3066, 0.3381



49.4759, 0.3098, 0.3154

# Square

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



49.4759, 0.3066, 0.3381



49.4759, 0.2968, 0.3167



49.4759, 0.3187, 0.3202



49.4759, 0.3289, 0.3412



# Rectangle

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



49.4759, 0.3066, 0.3381



49.4759, 0.2966, 0.3252



49.4759, 0.3187, 0.3202



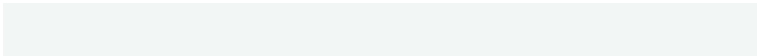
49.4759, 0.3291, 0.3325

# Sweetspot

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



49.4780, 0.3066, 0.3381



92.2698, 0.3110, 0.3314



50.0304, 0.3176, 0.3471



20.2729, 0.3111, 0.3313



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

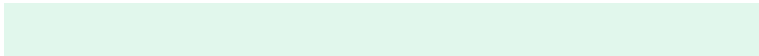


# Same Dimension

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



49.4780, 0.3066, 0.3381



88.8278, 0.3051, 0.3404



49.7763, 0.3015, 0.3290



10.7272, 0.3050, 0.3407



25.0554, 0.2718, 0.4984



0.9946, 0.2595, 0.4543



# Inverse Universe

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



45.4170, 0.3193, 0.3201



79.8037, 0.3210, 0.3179



45.1332, 0.3251, 0.3290



9.6136, 0.3212, 0.3176



7.8422, 0.4939, 0.2494



0.3204, 0.4417, 0.2207



# Previews

## White Background



This preview shows how the Yxy color 49.4759, 0.3066, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

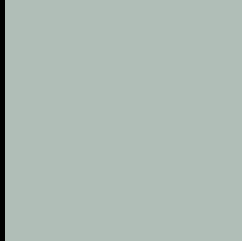
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4759, 0.3066, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

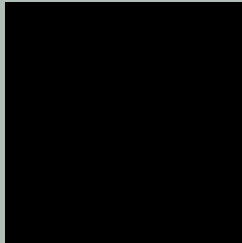
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

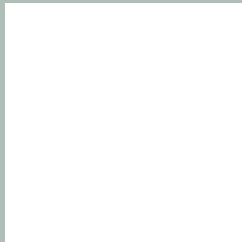
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4759, 0.3066, 0.3381**

## Background



This preview shows how black text looks on a background with the Yxy color 49.4759, 0.3066, 0.3381.



This preview shows how white text looks on a background with the Yxy color 49.4759, 0.3066, 0.3381.

# 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

49.4759, 0.3066, 0.3381

### Protanopia

49.5304, 0.3208, 0.3354

### Deuteranopia

49.1244, 0.3304, 0.3229



## Tritanopia

49.3886, 0.2951, 0.3100

# Trichromacy



## Original Color

49.4759, 0.3066, 0.3381

## Protanomaly

49.3572, 0.3157, 0.3354

## Deuteranomaly

49.2110, 0.3212, 0.3290

## Tritanomaly

49.3715, 0.2994, 0.3200

# Monochromacy



## Original Color

49.4759, 0.3066, 0.3381

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.9464, 0.3109, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4759, 0.3066, 0.3381 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, 190, 183)` looks like.

```
.text, #text, p{  
    color:rgb(176, 190, 183)  
}
```

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, 190, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 190, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4759, 0.3066, 0.3381 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, 190, 183) }
```

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

```
.border{ border-color:rgb(176, 190, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 190, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 190, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 190, 183); box-shadow:4px 4px 4px 4px rgb(176, 190, 183) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4759, 0.3066, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 190, 183) }
```

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

```
.background{ background-color: rgb(176,  
190, 183) }
```

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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