

# Converting Colors

$Y_{xy}(49.3036, 0.3052, 0.3443)$

Have a look what the booklet for  
Yxy(49.3036, 0.3052, 0.3443)  
contains.

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# Color

**Yxy(49.2148, 0.3048, 0.3435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABBFB4
RGB	171, 191, 180
RGB Percent	67%, 75%, 71%
CMY	0.3293, 0.2510, 0.2940
CMYK	0.10, 0.00, 0.06, 0.25
HSL	147°, 13%, 71%
HSV	147°, 10%, 75%
XYZ	43.6701, 49.2148, 50.3897
YIQ	183.7660, -8.3890, -7.6610

# Conversions

## Conversions Part 2

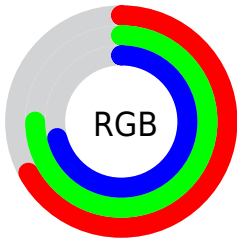
Format	Color
<a href="#">RYB</a>	<a href="#">171, 185, 191</a>
Decimal	<a href="#">11255732</a>
CIELab	<a href="#">75.58, -8.94, 3.20</a>
CIElCh	<a href="#">76, 9.498, 160.282</a>
Yxy	<a href="#">49.2148, 0.3048, 0.3435</a>
Android (android.graphics.Color)	<a href="#">4289445812 (0xFFABBFB4)</a>
YUV	<a href="#">183.7660, -1.8566, -11.1958</a>
Hunter-Lab	<a href="#">70.1533, -11.6528, 6.5205</a>

# Details

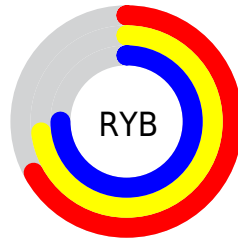
The Yxy color  $49.2148, 0.3048, 0.3435$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $43.5904, 0.3215, 0.3149$ , and the grayscale version is  $47.8151, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.7464, 0.3059, 0.3403$ , and  $23.6312, 0.3031, 0.3490$  is the 20% darker color. If you saturate the color by 10%, you get  $46.8125, 0.2974, 0.3591$ , and if you desaturate by 10%, it is  $51.9636, 0.3124, 0.3296$ .

# Distribution



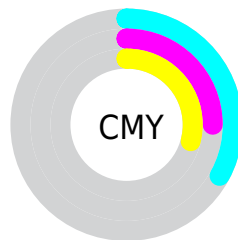
- Red (67%)
- Green (75%)
- Blue (71%)



- Red (67%)
- Yellow (73%)
- Blue (75%)



- Cyan (10%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)



- Cyan (33%)
- Magenta (25%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2148, 0.3048, 0.3435 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 49.2148, 0.3048, 0.3435 by changing the saturation by 10% instead.





 49.2148, 0.3048,  
0.3435

 49.2148, 0.3048,  
0.3435

383.5873, 0.3088,  
0.3362

 34.7899, 0.3038,  
0.3453


 89.0104, 0.3062,  
0.3409

 23.5011, 0.3025,  
0.3477


115.1499, 0.3068,  
0.3399

 14.9639, 0.3008,  
0.3508


145.9630, 0.3072,  
0.3390

 8.7941, 0.2985,  
0.3552

181.8342, 0.3076,  
0.3383

 4.6071, 0.2949,  
0.3617

223.1478, 0.3080,  
0.3377

 2.0186, 0.2889,  
0.3727

270.2883, 0.3083,


 0.6183, 0.2571,

0.3372


0.4303


323.6400, 0.3085,  
0.3367

 0.0000, 0.0000,  
0.0000


 49.2148, 0.3048,  
0.3435


 49.2148, 0.3048,  
0.3435


 46.8125, 0.2974,  
0.3591


 51.9636, 0.3124,  
0.3296


 44.7365, 0.2905,  
0.3762


 55.0658, 0.3200,  
0.3173


 42.9739, 0.2842,  
0.3950


 58.5359, 0.3274,  
0.3064

 41.5087, 0.2790,  
0.4150


 62.3857, 0.3346,  
0.2969

 40.3233, 0.2751,  
0.4361


 64.3741, 0.3325,  
0.2873

 39.3981, 0.2729,  
0.4575


 64.9902, 0.3245,  
0.2773

 38.7110, 0.2726,  
0.4788

 65.6427, 0.3167,  
0.2677

 38.2358, 0.2742,  
0.4992

 65.7393, 0.3157,  
0.2663

 37.9318, 0.2771,  
0.5174

# Harmonies

## Analogous

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



49.2148, 0.3179, 0.3506



49.2148, 0.3048, 0.3435



49.2148, 0.2940, 0.3324

# Triad

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



49.2148, 0.3048, 0.3435



49.2148, 0.2956, 0.3071



49.2148, 0.3379, 0.3367

# Complementary

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



49.2148, 0.3048, 0.3435



43.5904, 0.3215, 0.3149

# 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.



49.2148, 0.3317, 0.3253



49.2148, 0.3048, 0.3435



49.2148, 0.3071, 0.3085

# Square

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



49.2148, 0.3048, 0.3435



49.2148, 0.2888, 0.3113



49.2148, 0.3204, 0.3152



49.2148, 0.3372, 0.3463



# Rectangle

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



49.2148, 0.3048, 0.3435



49.2148, 0.2894, 0.3243



49.2148, 0.3204, 0.3152



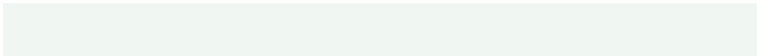
49.2148, 0.3366, 0.3329

# Sweetspot

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



49.2169, 0.3048, 0.3435



91.7363, 0.3104, 0.3330



50.1471, 0.3205, 0.3550



20.0544, 0.3098, 0.3342



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

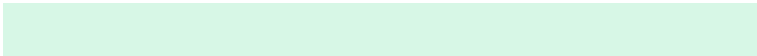


# Same Dimension

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



49.2169, 0.3048, 0.3435



86.9075, 0.3027, 0.3476



49.6382, 0.2976, 0.3303



10.7192, 0.3056, 0.3419



24.9456, 0.2764, 0.5150



0.9903, 0.2633, 0.4677



# Inverse Universe

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



43.5904, 0.3215, 0.3149



74.4133, 0.3241, 0.3111



43.1926, 0.3301, 0.3278



9.6217, 0.3205, 0.3165



7.9654, 0.4728, 0.2378



0.3250, 0.4270, 0.2126



# Previews

## White Background



This preview shows how the Yxy color 49.2148, 0.3048, 0.3435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

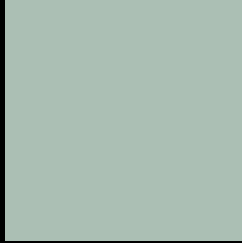
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2148, 0.3048, 0.3435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

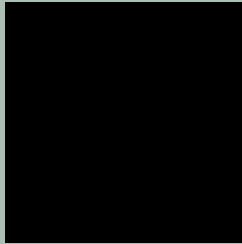
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

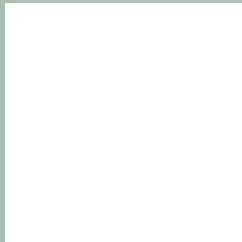
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.2148, 0.3048, 0.3435**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2148, 0.3048, 0.3435.

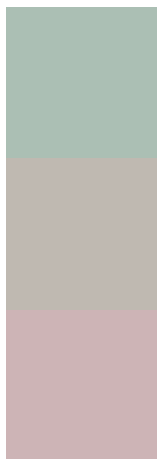


This preview shows how white text looks on a background with the Yxy color 49.2148, 0.3048, 0.3435.

# 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

49.2148, 0.3048, 0.3435

### Protanopia

48.9486, 0.3241, 0.3392

### Deuteranopia

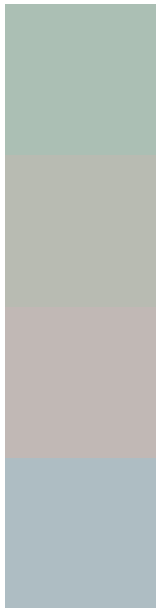
48.9991, 0.3329, 0.3266



## Tritanopia

49.3922, 0.2913, 0.3098

# Trichromacy



## Original Color

49.2148, 0.3048, 0.3435

## Protanomaly

48.9453, 0.3172, 0.3406

## Deuteranomaly

48.9546, 0.3227, 0.3328

## Tritanomaly

49.3340, 0.2963, 0.3212

# Monochromacy



## Original Color

49.2148, 0.3048, 0.3435

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.5433, 0.3092, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2148, 0.3048, 0.3435 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(171, 191, 180)` looks like.

```
.text, #text, p{  
    color:rgb(171, 191, 180)  
}
```

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(171, 191, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 191, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2148, 0.3048, 0.3435 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(171, 191, 180) }
```

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

```
.border{ border-color:rgb(171, 191, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 191, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 191, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 191, 180);  
box-shadow:4px 4px 4px 4px rgb(171, 191,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2148, 0.3048, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 191, 180) }
```

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

```
.background{ background-color: rgb(171,  
191, 180) }
```

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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