

# Converting Colors

Yxy(50.3194, 0.3043, 0.3478)

Have a look what the booklet for  
Yxy(50.3194, 0.3043, 0.3478)  
contains.

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# Color

**Yxy(50.4249, 0.3039, 0.3475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAC2B4
RGB	170, 194, 180
RGB Percent	67%, 76%, 71%
CMY	0.3335, 0.2391, 0.2941
CMYK	0.12, 0.00, 0.07, 0.24
HSL	145°, 16%, 71%
HSV	145°, 12%, 76%
XYZ	44.0982, 50.4249, 50.5845
YIQ	185.2280, -9.8100, -9.4420

# Conversions

## Conversions Part 2

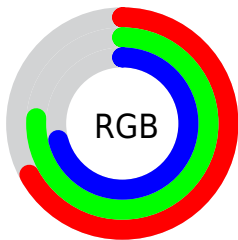
Format	Color
<a href="#">RYB</a>	<a href="#">170, 187, 194</a>
Decimal	<a href="#">11190964</a>
CIELab	<a href="#">76.33, -10.89, 4.29</a>
CIELCh	<a href="#">76, 11.708, 158.509</a>
Yxy	<a href="#">50.4249, 0.3039, 0.3475</a>
Android (android.graphics.Color)	<a href="#">4289381044</a> ( <a href="#">0xFFAAC2B4</a> )
YUV	<a href="#">185.2280, -2.5774, -13.3550</a>
Hunter-Lab	<a href="#">71.0105, -13.4181, 7.4720</a>

# Details

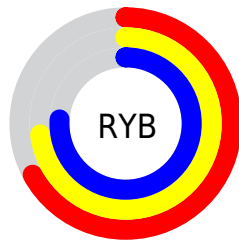
The Yxy color **50.4249, 0.3039, 0.3475** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.6609, 0.3226, 0.3112**, and the grayscale version is **48.6640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0580, 0.3051, 0.3444**, and **24.1400, 0.3020, 0.3526** is the 20% darker color. If you saturate the color by 10%, you get **47.9806, 0.2970, 0.3644**, and if you desaturate by 10%, it is **53.2301, 0.3110, 0.3324**.

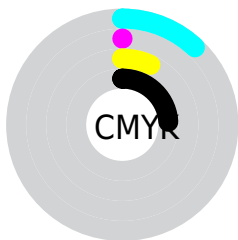
# Distribution



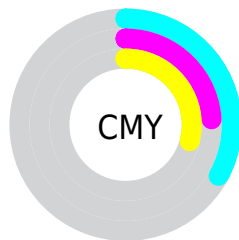
- Red (67%)
- Green (76%)
- Blue (71%)



- Red (67%)
- Yellow (73%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)



- Cyan (33%)
- Magenta (24%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.4249, 0.3039, 0.3475 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 50.4249, 0.3039, 0.3475 by changing the saturation by 10% instead.



■ 50.4249, 0.3039,  
0.3475

■ 50.4249, 0.3039,  
0.3475

388.3252, 0.3083,  
0.3383

■ 35.7511, 0.3028,  
0.3498

■ 90.8041, 0.3055,  
0.3441

■ 24.2420, 0.3014,  
0.3528

117.2783, 0.3061,  
0.3429

■ 15.5133, 0.2995,  
0.3568

148.4548, 0.3066,  
0.3418

■ 9.1804, 0.2968,  
0.3623

184.7180, 0.3071,  
0.3409

■ 4.8590, 0.2929,  
0.3706

226.4522, 0.3074,  
0.3401

■ 2.1648, 0.2863,  
0.3845

274.0419, 0.3078,

■ 0.7007, 0.2558,

0.3394

0.4481

327.8715, 0.3081,  
0.3388

0.0000, 0.0000,  
0.0000

50.4249, 0.3039,  
0.3475

50.4249, 0.3039,  
0.3475

47.9806, 0.2970,  
0.3644

53.2301, 0.3110,  
0.3324

45.8761, 0.2905,  
0.3831

56.4037, 0.3181,  
0.3190

44.0975, 0.2848,  
0.4033


59.9611, 0.3251,  
0.3072


42.6277, 0.2801,  
0.4249


63.9148, 0.3319,  
0.2968


41.4478, 0.2768,  
0.4474


65.9380, 0.3291,  
0.2865


 40.5369, 0.2752,  
0.4702

 66.6180, 0.3207,  
0.2758

 39.8711, 0.2754,  
0.4924

 67.0719, 0.3155,  
0.2693

 39.4219, 0.2776,  
0.5133

 39.1856, 0.2800,  
0.5280

# Harmonies

## Analogous

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



50.4249, 0.3199, 0.3558



50.4249, 0.3039, 0.3475



50.4249, 0.2905, 0.3339

# Triad

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



50.4249, 0.3039, 0.3475



50.4249, 0.2912, 0.3024



50.4249, 0.3434, 0.3374

# Complementary

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



50.4249, 0.3039, 0.3475



43.6609, 0.3226, 0.3112

# 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.



50.4249, 0.3353, 0.3237



50.4249, 0.3039, 0.3475



50.4249, 0.3049, 0.3038

# Square

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



50.4249, 0.3039, 0.3475



50.4249, 0.2833, 0.3079



50.4249, 0.3211, 0.3115



50.4249, 0.3430, 0.3494



# Rectangle

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



50.4249, 0.3039, 0.3475



50.4249, 0.2847, 0.3240



50.4249, 0.3211, 0.3115



50.4249, 0.3416, 0.3329

# Sweetspot

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



50.4270, 0.3039, 0.3475



95.5320, 0.3098, 0.3348



51.6811, 0.3227, 0.3601



20.8320, 0.3093, 0.3359



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

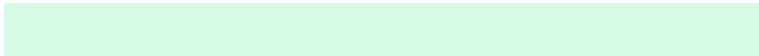


# Same Dimension

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



50.4270, 0.3039, 0.3475



90.0227, 0.3019, 0.3521



50.9383, 0.2954, 0.3316



11.3270, 0.3060, 0.3427



25.7734, 0.2793, 0.5255



1.1273, 0.2667, 0.4802



# Inverse Universe

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



43.6609, 0.3226, 0.3112



75.2618, 0.3252, 0.3070



43.1782, 0.3331, 0.3265



10.1741, 0.3200, 0.3157



8.3418, 0.4594, 0.2304



0.3739, 0.4205, 0.2090



# Previews

## White Background



This preview shows how the Yxy color 50.4249, 0.3039, 0.3475 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

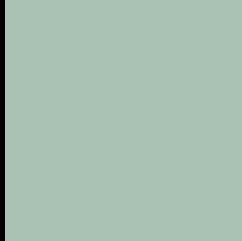
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.4249, 0.3039, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

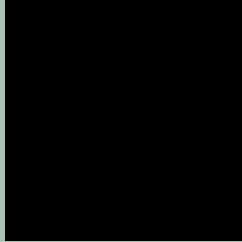
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

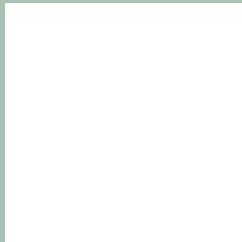
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.4249, 0.3039, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.4249, 0.3039, 0.3475.

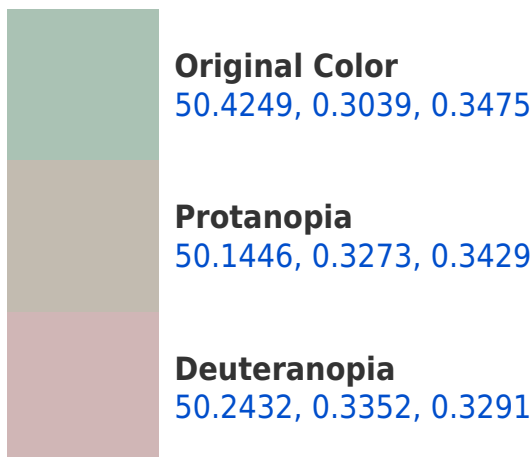


This preview shows how white text looks on a background with the Yxy color 50.4249, 0.3039, 0.3475.

# 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

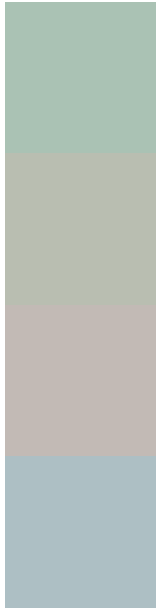




## Tritanopia

50.2334, 0.2892, 0.3099

# Trichromacy



## Original Color

50.4249, 0.3039, 0.3475

## Protanomaly

50.3155, 0.3185, 0.3457

## Deuteranomaly

49.9233, 0.3234, 0.3353

## Tritanomaly

50.1314, 0.2948, 0.3225

# Monochromacy



## Original Color

50.4249, 0.3039, 0.3475

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.0886, 0.3099, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  50.4249, 0.3039, 0.3475 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(170, 194, 180)` looks like.

```
.text, #text, p{  
    color:rgb(170, 194, 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(170, 194, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 194, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 50.4249, 0.3039, 0.3475 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(170, 194, 180) }
```

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

```
.border{ border-color:rgb(170, 194, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 194, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 194, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 194, 180);  
box-shadow:4px 4px 4px 4px rgb(170, 194,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.4249, 0.3039, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 194, 180) }
```

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

```
.background{ background-color: rgb(170,  
194, 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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