

# Converting Colors

$Yxy(49.3033, 0.3013, 0.3506)$

Have a look what the booklet for  
Yxy(49.3033, 0.3013, 0.3506)  
contains.

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# Color

**Yxy(49.2068, 0.3014, 0.3505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4C1B1
RGB	164, 193, 177
RGB Percent	64%, 76%, 69%
CMY	0.3569, 0.2431, 0.3058
CMYK	0.15, 0.00, 0.08, 0.24
HSL	147°, 19%, 70%
HSV	147°, 15%, 76%
XYZ	42.3136, 49.2068, 48.8699
YIQ	182.5050, -12.1480, -11.1240

# Conversions

## Conversions Part 2

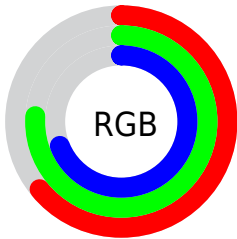
Format	Color
<b>RYB</b>	164, 184, 193
Decimal	10797489
CIELab	75.58, -12.96, 4.77
CIELCh	76, 13.806, 159.799
Yxy	49.2068, 0.3014, 0.3505
Android (android.graphics.Color)	4288987569 (0xFFA4C1B1)
YUV	182.5050, -2.7140, -16.2289
Hunter-Lab	70.1476, -15.0854, 7.7976

# Details

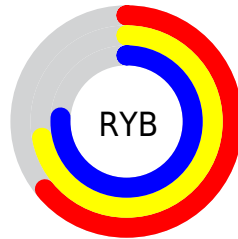
The Yxy color **49.2068, 0.3014, 0.3505** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.1769, 0.3259, 0.3084**, and the grayscale version is **47.0887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6946, 0.3032, 0.3457**, and **23.3652, 0.2987, 0.3569** is the 20% darker color. If you saturate the color by 10%, you get **46.9014, 0.2942, 0.3669**, and if you desaturate by 10%, it is **51.8611, 0.3089, 0.3358**.

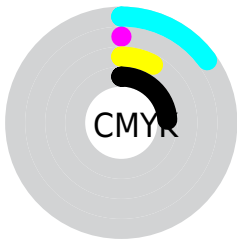
# Distribution



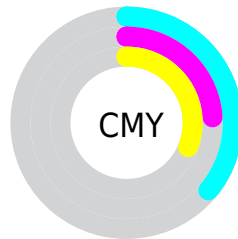
- Red (64%)
- Green (76%)
- Blue (69%)



- Red (64%)
- Yellow (72%)
- Blue (76%)



- Cyan (15%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)




- Cyan (36%)
- Magenta (24%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2068, 0.3014, 0.3505 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 49.2068, 0.3014, 0.3505 by changing the saturation by 10% instead.




 49.2068, 0.3014,  
0.3505


 49.2068, 0.3014,  
0.3505


383.5559, 0.3071,  
0.3397

 34.7836, 0.3000,  
0.3532


 88.9985, 0.3035,  
0.3466

 23.4962, 0.2981,  
0.3567


 115.1358, 0.3043,  
0.3451

 14.9603, 0.2957,  
0.3615


145.9465, 0.3049,  
0.3438

 8.7915, 0.2922,  
0.3681

181.8151, 0.3055,  
0.3428

 4.6055, 0.2870,  
0.3781

223.1259, 0.3060,  
0.3418

 2.0177, 0.2782,  
0.3951

270.2634, 0.3064,

 0.6177, 0.2206,

0.3410

0.5031

323.6119, 0.3068,  
0.3403

0.0000, 0.0000,  
0.0000

49.2068, 0.3014,  
0.3505

49.2068, 0.3014,  
0.3505

46.9014, 0.2942,  
0.3669

51.8611, 0.3089,  
0.3358

44.9238, 0.2875,  
0.3849

54.8717, 0.3165,  
0.3227

43.2603, 0.2817,  
0.4043


58.2540, 0.3240,  
0.3111


41.8936, 0.2771,  
0.4249

62.0202, 0.3313,  
0.3010

40.8050, 0.2740,  
0.4463


65.1270, 0.3340,  
0.2915

 39.9731, 0.2726,  
0.4679


 65.7435, 0.3260,  
0.2814

 39.3736, 0.2732,  
0.4889

 66.3971, 0.3181,  
0.2715

 38.9769, 0.2757,  
0.5087

 66.6234, 0.3156,  
0.2683

 38.8261, 0.2772,  
0.5180

# Harmonies

## Analogous

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



49.2068, 0.3204, 0.3608



49.2068, 0.3014, 0.3505



49.2068, 0.2858, 0.3340

# Triad

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



49.2068, 0.3014, 0.3505



49.2068, 0.2877, 0.2974



49.2068, 0.3494, 0.3395

# Complementary

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



49.2068, 0.3014, 0.3505



41.1769, 0.3259, 0.3084

# 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.



49.2068, 0.3402, 0.3233



49.2068, 0.3014, 0.3505



49.2068, 0.3042, 0.2995

# Square

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



49.2068, 0.3014, 0.3505



49.2068, 0.2781, 0.3034



49.2068, 0.3234, 0.3089



49.2068, 0.3485, 0.3537



# Rectangle

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



49.2068, 0.3014, 0.3505



49.2068, 0.2792, 0.3222



49.2068, 0.3234, 0.3089



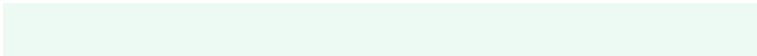
49.2068, 0.3474, 0.3342

# Sweetspot

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



49.2089, 0.3014, 0.3505



92.8554, 0.3089, 0.3358



50.5780, 0.3244, 0.3671



19.8440, 0.3083, 0.3368



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

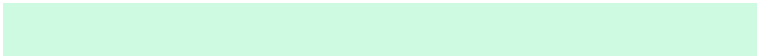


# Same Dimension

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



49.2089, 0.3014, 0.3505



86.7192, 0.2990, 0.3556



49.7987, 0.2915, 0.3315



11.3323, 0.3056, 0.3420



25.8373, 0.2766, 0.5156



1.1302, 0.2644, 0.4717



# Inverse Universe

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



41.1769, 0.3259, 0.3084



69.6254, 0.3292, 0.3038



40.6328, 0.3387, 0.3265



10.1687, 0.3205, 0.3164



8.2539, 0.4724, 0.2376



0.3704, 0.4298, 0.2141



# Previews

## White Background



This preview shows how the Yxy color 49.2068, 0.3014, 0.3505 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

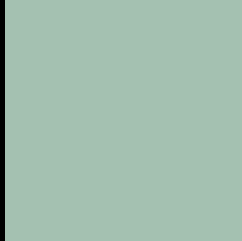
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2068, 0.3014, 0.3505 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

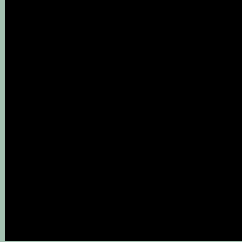
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

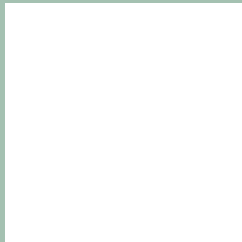
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.2068, 0.3014, 0.3505**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2068, 0.3014, 0.3505.

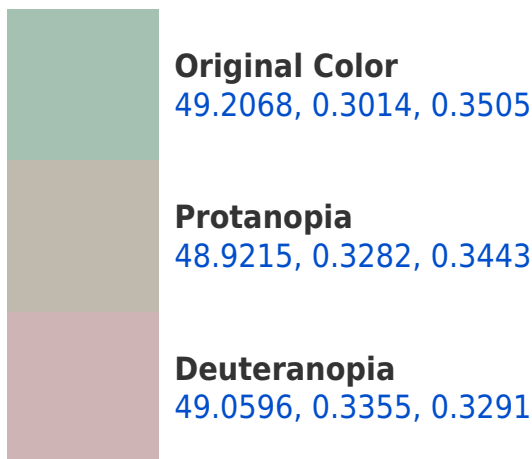


This preview shows how white text looks on a background with the Yxy color 49.2068, 0.3014, 0.3505.

# 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

49.1898, 0.2861, 0.3096

# Trichromacy



## Original Color

49.2068, 0.3014, 0.3505

## Protanomaly

48.9675, 0.3185, 0.3473

## Deuteranomaly

49.0290, 0.3225, 0.3367

## Tritanomaly

48.9374, 0.2916, 0.3237

# Monochromacy



## Original Color

49.2068, 0.3014, 0.3505

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.1070, 0.3082, 0.3369

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2068, 0.3014, 0.3505 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(164, 193, 177)` looks like.

```
.text, #text, p{  
    color:rgb(164, 193, 177)  
}
```

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(164, 193, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 193, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2068, 0.3014, 0.3505 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(164, 193, 177) }
```

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

```
.border{ border-color:rgb(164, 193, 177) }
```

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

Here you see how a box with a 4 pixel rgb(164, 193, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 193, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 193, 177);  
box-shadow:4px 4px 4px 4px rgb(164, 193,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2068, 0.3014, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 193, 177) }
```

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

```
.background{ background-color: rgb(164,  
193, 177) }
```

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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