

# Converting Colors

$Yxy(49.9499, 0.3064, 0.3239)$

Have a look what the booklet for  
Yxy(49.9499, 0.3064, 0.3239)  
contains.

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# Color

**Yxy(49.9626, 0.3064, 0.3239)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8BCC0
RGB	184, 188, 192
RGB Percent	72%, 74%, 75%
CMY	0.2785, 0.2627, 0.2470
CMYK	0.04, 0.02, 0.00, 0.25
HSL	210°, 6%, 74%
HSV	210°, 4%, 75%
XYZ	47.2632, 49.9626, 57.0274
YIQ	187.2600, -3.6680, 0.3960

# Conversions

## Conversions Part 2

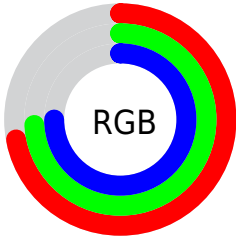
Format	Color
<a href="#">RYB</a>	<a href="#">184, 187, 192</a>
Decimal	<a href="#">12106944</a>
CIELab	<a href="#">76.05, -0.63, -2.51</a>
CIElCh	<a href="#">76, 2.591, 255.997</a>
Yxy	<a href="#">49.9626, 0.3064, 0.3239</a>
Android (android.graphics.Color)	<a href="#">4290297024</a> ( <a href="#">0xFFB8BCC0</a> )
YUV	<a href="#">187.2600, 2.3368, -2.8590</a>
Hunter-Lab	<a href="#">70.6842, -4.3430, 1.6443</a>

# Details

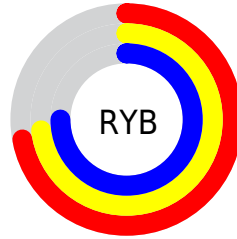
The Yxy color **49.9626, 0.3064, 0.3239** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.6304, 0.3192, 0.3340**, and the grayscale version is **49.8369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0039, 0.3078, 0.3250**, and **24.0173, 0.3042, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **43.7939, 0.2908, 0.3107**, and if you desaturate by 10%, it is **56.7292, 0.3213, 0.3357**.

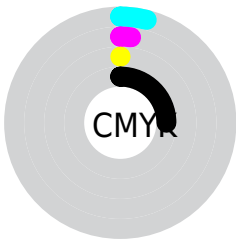
# Distribution



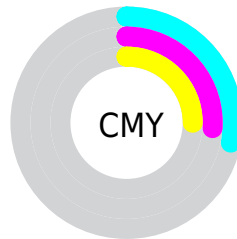
- Red (72%)
- Green (74%)
- Blue (75%)



- Red (72%)
- Yellow (73%)
- Blue (75%)



- Cyan (4%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (28%)
- Magenta (26%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9626, 0.3064, 0.3239 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 49.9626, 0.3064, 0.3239 by changing the saturation by 10% instead.



■ 49.9626, 0.3064,  
0.3239

■ 49.9626, 0.3064,  
0.3239

386.5197, 0.3095,  
0.3264

■ 35.3837, 0.3056,  
0.3233

■ 90.1195, 0.3075,  
0.3248

■ 23.9586, 0.3047,  
0.3225

116.4662, 0.3080,  
0.3252

■ 15.3029, 0.3034,  
0.3214

147.5043, 0.3083,  
0.3255

■ 9.0322, 0.3016,  
0.3200

183.6182, 0.3086,  
0.3257

■ 4.7622, 0.2989,  
0.3178

225.1923, 0.3089,  
0.3259

■ 2.1084, 0.2947,  
0.3143

272.6110, 0.3091,

■ 0.6694, 0.2829,

0.3261

0.3050

326.2587, 0.3093,  
0.3263

0.0000, 0.0000,  
0.0000

49.9626, 0.3064,  
0.3239

49.9626, 0.3064,  
0.3239

43.7939, 0.2908,  
0.3107

56.7292, 0.3213,  
0.3357

38.1985, 0.2748,  
0.2960

64.1044, 0.3354,  
0.3462

33.1595, 0.2585,  
0.2800

72.1069, 0.3486,  
0.3554

28.6564, 0.2424,  
0.2626

79.6375, 0.3567,  
0.3640

24.6676, 0.2270,  
0.2442

85.0042, 0.3544,  
0.3732

■ 21.1693, 0.2127,  
0.2250

■ 90.6668, 0.3523,  
0.3822

■ 18.1356, 0.2000,  
0.2056

■ 96.5863, 0.3502,  
0.3909

■ 15.5371, 0.1894,  
0.1864

■ 13.3395, 0.1811,  
0.1680

# Harmonies

## Analogous

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



49.9626, 0.3059, 0.3262



49.9626, 0.3064, 0.3239



49.9626, 0.3086, 0.3229

# Triad

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



49.9626, 0.3064, 0.3239



49.9626, 0.3183, 0.3287



49.9626, 0.3135, 0.3345

# Complementary

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



49.9626, 0.3064, 0.3239



50.6304, 0.3192, 0.3340

# 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.



49.9626, 0.3168, 0.3352



49.9626, 0.3064, 0.3239



49.9626, 0.3196, 0.3317

# Square

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



49.9626, 0.3064, 0.3239



49.9626, 0.3155, 0.3257



49.9626, 0.3191, 0.3341



49.9626, 0.3100, 0.3324



# Rectangle

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



49.9626, 0.3064, 0.3239



49.9626, 0.3107, 0.3232



49.9626, 0.3191, 0.3341



49.9626, 0.3147, 0.3349

# Sweetspot

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



49.9647, 0.3064, 0.3239



94.2801, 0.3112, 0.3278



51.5178, 0.3093, 0.3343



20.2395, 0.3113, 0.3278



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

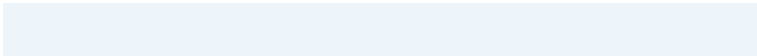


# Same Dimension

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



49.9647, 0.3064, 0.3239



89.4706, 0.3050, 0.3228



48.3263, 0.3065, 0.3189



11.0950, 0.3042, 0.3221



8.3711, 0.1778, 0.1599



0.4996, 0.1890, 0.2005



# Inverse Universe

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



49.1148, 0.3163, 0.3240



87.6201, 0.3171, 0.3229



52.3134, 0.3188, 0.3389



10.8409, 0.3176, 0.3222



8.1273, 0.4933, 0.2491

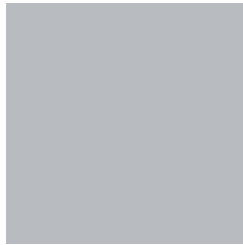


0.3651, 0.4448, 0.2224



# Previews

## White Background



This preview shows how the Yxy color 49.9626, 0.3064, 0.3239 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

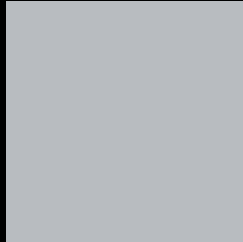
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.9626, 0.3064, 0.3239 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

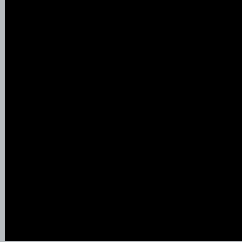
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

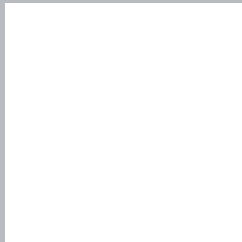
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.9626, 0.3064, 0.3239**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.9626, 0.3064, 0.3239.

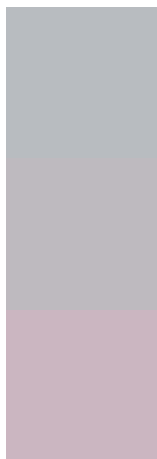


This preview shows how white text looks on a background with the Yxy color 49.9626, 0.3064, 0.3239.

# 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

49.9626, 0.3064, 0.3239

### Protanopia

49.8265, 0.3122, 0.3227

### Deuteranopia

50.0027, 0.3219, 0.3157



## Tritanopia

50.0720, 0.3006, 0.3115

# Trichromacy



## Original Color

49.9626, 0.3064, 0.3239

## Protanomaly

49.9936, 0.3105, 0.3240

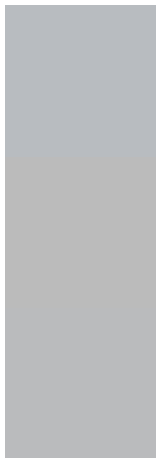
## Deuteranomaly

49.8670, 0.3158, 0.3179

## Tritanomaly

49.9322, 0.3028, 0.3152

# Monochromacy



## Original Color

49.9626, 0.3064, 0.3239

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.6539, 0.3104, 0.3265

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.9626, 0.3064, 0.3239 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(184, 188, 192)` looks like.

```
.text, #text, p{  
    color:rgb(184, 188, 192)  
}
```

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(184, 188, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 188, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 49.9626, 0.3064, 0.3239 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(184, 188, 192) }
```

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

```
.border{ border-color:rgb(184, 188, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 188, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 188, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 188, 192);  
box-shadow:4px 4px 4px 4px rgb(184, 188,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.9626, 0.3064, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 188, 192) }
```

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

```
.background{ background-color: rgb(184,  
188, 192) }
```

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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