

# Converting Colors

$Yxy(49.7987, 0.3139, 0.3393)$

Have a look what the booklet for  
Yxy(49.7987, 0.3139, 0.3393)  
contains.

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# Color

**Yxy(49.7987, 0.3139, 0.3393)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7BDB5
RGB	183, 189, 181
RGB Percent	72%, 74%, 71%
CMY	0.2823, 0.2588, 0.2902
CMYK	0.03, 0.00, 0.04, 0.26
HSL	105°, 6%, 73%
HSV	105°, 4%, 74%
XYZ	46.0708, 49.7987, 50.8995
YIQ	186.2940, -1.0080, -3.7600

# Conversions

## Conversions Part 2

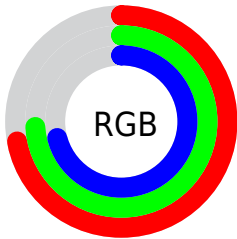
Format	Color
<a href="#">RYB</a>	<a href="#">181, 189, 187</a>
Decimal	<a href="#">12041653</a>
CIELab	<a href="#">75.95, -3.55, 3.31</a>
CIELCh	<a href="#">76, 4.853, 137.051</a>
Yxy	<a href="#">49.7987, 0.3139, 0.3393</a>
Android (android.graphics.Color)	<a href="#">4290231733 (0xFFB7BDB5)</a>
YUV	<a href="#">186.2940, -2.6099, -2.8888</a>
Hunter-Lab	<a href="#">70.5682, -6.9598, 6.6330</a>

# Details

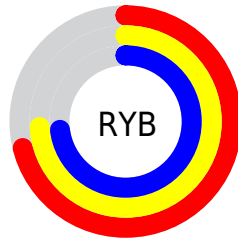
The Yxy color **49.7987, 0.3139, 0.3393** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2833, 0.3115, 0.3188**, and the grayscale version is **49.2946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7700, 0.3136, 0.3370**, and **23.9127, 0.3143, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **47.4317, 0.3166, 0.3656**, and if you desaturate by 10%, it is **52.4488, 0.3111, 0.3158**.

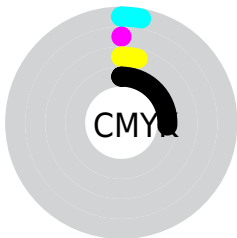
# Distribution



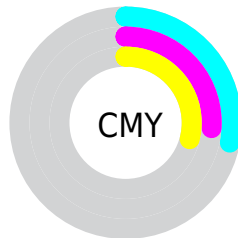
- Red (72%)
- Green (74%)
- Blue (71%)



- Red (71%)
- Yellow (74%)
- Blue (73%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)



- Cyan (28%)
- Magenta (26%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7987, 0.3139, 0.3393 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 49.7987, 0.3139, 0.3393 by changing the saturation by 10% instead.



 49.7987, 0.3139,  
0.3393

 49.7987, 0.3139,  
0.3393

385.8782, 0.3133,  
0.3342

 35.2535, 0.3140,  
0.3406


 89.8766, 0.3137,  
0.3374

 23.8582, 0.3142,  
0.3422


116.1780, 0.3136,  
0.3367

 15.2285, 0.3144,  
0.3444


147.1669, 0.3136,  
0.3362

 8.9799, 0.3147,  
0.3474

183.2278, 0.3135,  
0.3356

 4.7281, 0.3151,  
0.3519

224.7449, 0.3135,  
0.3352

 2.0886, 0.3158,  
0.3593

272.1028, 0.3134,

 0.6582, 0.3203,

0.3348

0.3912

325.6858, 0.3134,  
0.3345

0.0000, 0.0000,  
0.0000

49.7987, 0.3139,  
0.3393

49.7987, 0.3139,  
0.3393

47.4317, 0.3166,  
0.3656

52.4488, 0.3111,  
0.3158

45.3321, 0.3191,  
0.3947

55.3845, 0.3083,  
0.2949

43.4921, 0.3211,  
0.4259

58.6162, 0.3055,  
0.2766

41.9015, 0.3224,  
0.4586

62.0487, 0.3040,  
0.2620

40.5490, 0.3228,  
0.4914

64.6086, 0.3147,  
0.2641

■ 39.4225, 0.3221,  
0.5224

■ 64.8742, 0.3157,  
0.2644

■ 38.5088, 0.3201,  
0.5497

■ 37.7933, 0.3168,  
0.5712

■ 37.2589, 0.3127,  
0.5858

# Harmonies

## Analogous

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



49.7987, 0.3202, 0.3406



49.7987, 0.3139, 0.3393



49.7987, 0.3073, 0.3352

# Triad

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



49.7987, 0.3139, 0.3393



49.7987, 0.3010, 0.3193



49.7987, 0.3233, 0.3285

# Complementary

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



49.7987, 0.3139, 0.3393



47.2833, 0.3115, 0.3188

# 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.



49.7987, 0.3181, 0.3230



49.7987, 0.3139, 0.3393



49.7987, 0.3052, 0.3177

# Square

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



49.7987, 0.3139, 0.3393



49.7987, 0.2999, 0.3236



49.7987, 0.3114, 0.3190



49.7987, 0.3257, 0.3343



# Rectangle

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



49.7987, 0.3139, 0.3393



49.7987, 0.3037, 0.3314



49.7987, 0.3114, 0.3190



49.7987, 0.3218, 0.3266

# Sweetspot

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



49.8008, 0.3139, 0.3393



90.6655, 0.3130, 0.3314



49.6382, 0.3191, 0.3365



19.5024, 0.3130, 0.3313



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



49.8008, 0.3139, 0.3393



88.8166, 0.3141, 0.3414



49.6314, 0.3108, 0.3369



10.9637, 0.3143, 0.3428



24.9397, 0.3110, 0.5912



1.0092, 0.3294, 0.5766



# Inverse Universe

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



47.2833, 0.3115, 0.3188



83.4337, 0.3112, 0.3167



47.4599, 0.3147, 0.3212



10.2304, 0.3110, 0.3154



6.3281, 0.2583, 0.1197



0.2772, 0.2740, 0.1283



# Previews

## White Background



This preview shows how the Yxy color 49.7987, 0.3139, 0.3393 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 49.7987, 0.3139, 0.3393 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

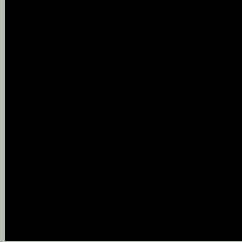
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

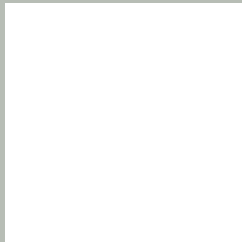
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.7987, 0.3139, 0.3393**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.7987, 0.3139, 0.3393.



This preview shows how white text looks on a background with the Yxy color 49.7987, 0.3139, 0.3393.

# 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

49.7987, 0.3139, 0.3393

### Protanopia

49.5790, 0.3233, 0.3379

### Deuteranopia

49.7320, 0.3337, 0.3266



## Tritanopia

49.7740, 0.3014, 0.3102

# Trichromacy



## Original Color

49.7987, 0.3139, 0.3393

## Protanomaly

49.6548, 0.3198, 0.3379

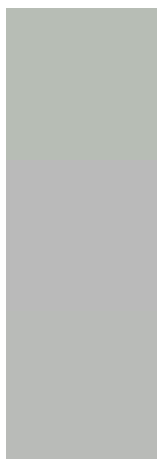
## Deuteranomaly

49.6641, 0.3262, 0.3315

## Tritanomaly

49.7500, 0.3058, 0.3201

# Monochromacy



## Original Color

49.7987, 0.3139, 0.3393

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.3156, 0.3134, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.7987, 0.3139, 0.3393 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(183, 189, 181)` looks like.

```
.text, #text, p{  
    color:rgb(183, 189, 181)  
}
```

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(183, 189, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 189, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 49.7987, 0.3139, 0.3393 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(183, 189, 181) }
```

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

```
.border{ border-color:rgb(183, 189, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 189, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 189, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 189, 181);  
box-shadow:4px 4px 4px 4px rgb(183, 189,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.7987, 0.3139, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 189, 181) }
```

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

```
.background{ background-color: rgb(183,  
189, 181) }
```

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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