

# Converting Colors

$Yxy(49.0672, 0.3382, 0.3875)$

Have a look what the booklet for  
Yxy(49.0672, 0.3382, 0.3875)  
contains.

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# Color

**Yxy(49.1919, 0.3383, 0.3874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5BF93
RGB	181, 191, 147
RGB Percent	71%, 75%, 58%
CMY	0.2901, 0.2510, 0.4236
CMYK	0.05, 0.00, 0.23, 0.25
HSL	74°, 26%, 66%
HSV	74°, 23%, 75%
XYZ	42.9572, 49.1919, 34.8305
YIQ	182.9940, 8.1640, -15.8040

# Conversions

## Conversions Part 2

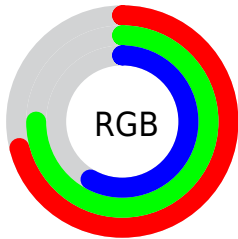
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 191, 157
Decimal	11911059
CIELab	75.57, -10.99, 21.10
CIElCh	76, 23.789, 117.518
Yxy	49.1919, 0.3383, 0.3874
Android (android.graphics.Color)	4290101139 (0xFFB5BF93)
YUV	182.9940, -17.7450, -1.7487
Hunter-Lab	70.1369, -13.4126, 19.6520

# Details

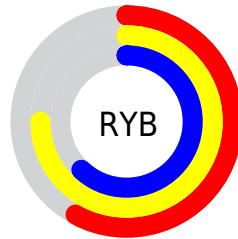
The Yxy color  $49.1919, 0.3383, 0.3874$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $31.7907, 0.2831, 0.2668$ , and the grayscale version is  $47.4489, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.7431, 0.3340, 0.3765$ , and  $23.6107, 0.3449, 0.4051$  is the 20% darker color. If you saturate the color by 10%, you get  $48.1282, 0.3491, 0.4140$ , and if you desaturate by 10%, it is  $50.3757, 0.3272, 0.3613$ .

# Distribution



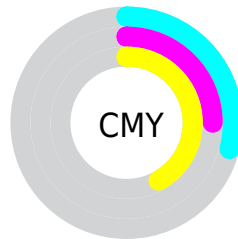
- Red (71%)
- Green (75%)
- Blue (58%)



- Red (58%)
- Yellow (75%)
- Blue (62%)



- Cyan (5%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)




- Cyan (29%)
- Magenta (25%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1919, 0.3383, 0.3874 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 49.1919, 0.3383, 0.3874 by changing the saturation by 10% instead.




 49.1919, 0.3383,  
0.3874


 49.1919, 0.3383,  
0.3874


383.4973, 0.3260,  
0.3579

 34.7717, 0.3412,  
0.3948


 88.9764, 0.3340,  
0.3766

 23.4871, 0.3447,  
0.4044


 115.1095, 0.3323,  
0.3726

 14.9536, 0.3492,  
0.4171


145.9157, 0.3309,  
0.3692

 8.7868, 0.3550,  
0.4349

181.7795, 0.3297,  
0.3663

 4.6024, 0.3625,  
0.4611

223.0851, 0.3286,  
0.3638

 2.0159, 0.3810,  
0.5161

270.2170, 0.3276,

 0.6167, 0.3401,

0.3615

0.6599

323.5596, 0.3268,  
0.3596

0.0000, 0.0000,  
0.0000

49.1919, 0.3383,  
0.3874

49.1919, 0.3383,  
0.3874

48.1282, 0.3491,  
0.4140

50.3757, 0.3272,  
0.3613

47.1731, 0.3591,  
0.4403

51.6779, 0.3160,  
0.3363

46.3233, 0.3678,  
0.4653

53.1051, 0.3052,  
0.3128

45.5727, 0.3747,  
0.4878

54.6614, 0.2949,  
0.2911

44.9148, 0.3793,  
0.5068

56.3508, 0.2853,  
0.2712

■ 44.3417, 0.3814,  
0.5216

■ 57.7453, 0.2803,  
0.2594

■ 43.8443, 0.3810,  
0.5317

■ 58.3772, 0.2834,  
0.2600

■ 43.5306, 0.3797,  
0.5367

■ 59.0264, 0.2865,  
0.2606

■ 59.6929, 0.2896,  
0.2612

# Harmonies

## Analogous

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



49.1919, 0.3649, 0.3809



49.1919, 0.3383, 0.3874



49.1919, 0.3058, 0.3762

# Triad

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



49.1919, 0.3383, 0.3874



49.1919, 0.2518, 0.2924



49.1919, 0.3493, 0.3084

# Complementary

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



49.1919, 0.3383, 0.3874



31.7907, 0.2831, 0.2668

# 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.



49.1919, 0.3171, 0.2875



49.1919, 0.3383, 0.3874



49.1919, 0.2619, 0.2777

# Square

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



49.1919, 0.3383, 0.3874



49.1919, 0.2568, 0.3186



49.1919, 0.2852, 0.2764



49.1919, 0.3719, 0.3347



# Rectangle

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



49.1919, 0.3383, 0.3874



49.1919, 0.2852, 0.3599



49.1919, 0.2852, 0.2764



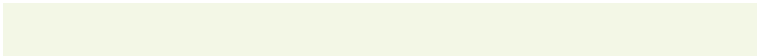
49.1919, 0.3391, 0.3006

# Sweetspot

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



49.1941, 0.3383, 0.3874



91.5817, 0.3205, 0.3463



37.1364, 0.3566, 0.3420



20.0791, 0.3212, 0.3478



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.



49.1941, 0.3383, 0.3874



87.0523, 0.3442, 0.4018



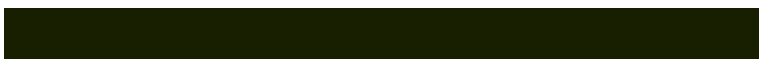
46.7852, 0.3199, 0.3909



11.0086, 0.3230, 0.3519



28.6456, 0.3802, 0.5363



1.1493, 0.3901, 0.5285



# Inverse Universe

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



31.7907, 0.2831, 0.2668



50.0554, 0.2748, 0.2502



34.1541, 0.3033, 0.2703



9.3269, 0.3018, 0.3055



2.8440, 0.1631, 0.0672



0.1416, 0.1880, 0.0809



# Previews

## White Background



This preview shows how the Yxy color 49.1919, 0.3383, 0.3874 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 49.1919, 0.3383, 0.3874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

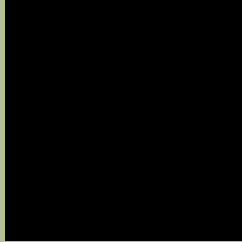
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

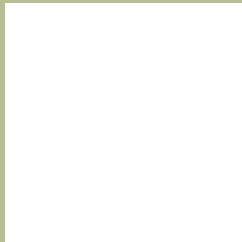
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.1919, 0.3383, 0.3874**

## Background



This preview shows how black text looks on a background with the Yxy color 49.1919, 0.3383, 0.3874.



This preview shows how white text looks on a background with the Yxy color 49.1919, 0.3383, 0.3874.

# 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

49.1919, 0.3383, 0.3874

### Protanopia

49.1679, 0.3563, 0.3812

### Deuteranopia

49.0411, 0.3709, 0.3642



## Tritanopia

49.0959, 0.3045, 0.3102

# Trichromacy



## Original Color

49.1919, 0.3383, 0.3874

## Protanomaly

49.2482, 0.3495, 0.3833

## Deuteranomaly

48.7334, 0.3584, 0.3718

## Tritanomaly

49.1502, 0.3165, 0.3380

# Monochromacy



## Original Color

49.1919, 0.3383, 0.3874

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.9652, 0.3219, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.1919, 0.3383, 0.3874 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(181, 191, 147)` looks like.

```
.text, #text, p{  
    color:rgb(181, 191, 147)  
}
```

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(181, 191, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 191, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 49.1919, 0.3383, 0.3874 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(181, 191, 147) }
```

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

```
.border{ border-color:rgb(181, 191, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 191, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(181, 191,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.1919, 0.3383, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 191, 147) }
```

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

```
.background{ background-color: rgb(181,  
191, 147) }
```

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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