

# Converting Colors

$Yxy(49.5454, 0.3189, 0.3655)$

Have a look what the booklet for  
Yxy(49.5454, 0.3189, 0.3655)  
contains.

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# Color

**Yxy(49.4146, 0.3184, 0.3650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEC0A5
RGB	174, 192, 165
RGB Percent	68%, 75%, 65%
CMY	0.3174, 0.2471, 0.3529
CMYK	0.09, 0.00, 0.14, 0.25
HSL	100°, 18%, 70%
HSV	100°, 14%, 75%
XYZ	43.1058, 49.4146, 42.8621
YIQ	183.5400, -2.0610, -12.2130

# Conversions

## Conversions Part 2

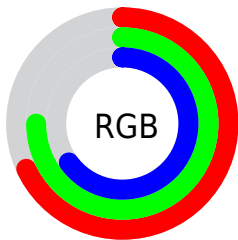
Format	Color
<a href="#">RYB</a>	<a href="#">165, 192, 183</a>
Decimal	<a href="#">11452581</a>
CIELab	<a href="#">75.71, -11.14, 11.54</a>
CIELCh	<a href="#">76, 16.043, 133.999</a>
Yxy	<a href="#">49.4146, 0.3184, 0.3650</a>
Android (android.graphics.Color)	<a href="#">4289642661</a> ( <a href="#">0xFFAEC0A5</a> )
YUV	<a href="#">183.5400, -9.1402, -8.3666</a>
Hunter-Lab	<a href="#">70.2955, -13.5595, 13.0553</a>

# Details

The Yxy color  $49.4146, 0.3184, 0.3650$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $40.7742, 0.3062, 0.2939$ , and the grayscale version is  $47.7238, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.1251, 0.3178, 0.3580$ , and  $23.7224, 0.3192, 0.3768$  is the 20% darker color. If you saturate the color by 10%, you get  $47.3724, 0.3222, 0.3936$ , and if you desaturate by 10%, it is  $51.7052, 0.3144, 0.3389$ .

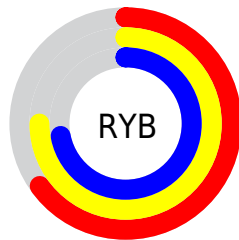
# Distribution



Red (68%)

Green (75%)

Blue (65%)



Red (65%)

Yellow (75%)

Blue (72%)

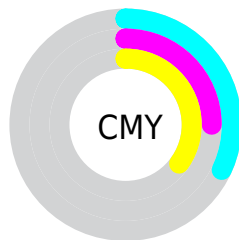


Cyan (9%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (32%)

Magenta (25%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4146, 0.3184, 0.3650 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 49.4146, 0.3184, 0.3650 by changing the saturation by 10% instead.




 49.4146, 0.3184,  
0.3650


 49.4146, 0.3184,  
0.3650


384.3722, 0.3158,  
0.3468

 34.9485, 0.3190,  
0.3696


 89.3069, 0.3175,  
0.3583

 23.6232, 0.3197,  
0.3755


 115.5019, 0.3171,  
0.3559

 15.0543, 0.3206,  
0.3835


146.3753, 0.3168,  
0.3538

 8.8575, 0.3217,  
0.3947

182.3115, 0.3166,  
0.3520

 4.6484, 0.3230,  
0.4117

223.6949, 0.3163,  
0.3504

 2.0425, 0.3243,  
0.4403

270.9099, 0.3161,

 0.6320, 0.3421,

0.3491

0.6579

324.3409, 0.3159,  
0.3479

0.0000, 0.0000,  
0.0000

49.4146, 0.3184,  
0.3650

49.4146, 0.3184,  
0.3650

47.3724, 0.3222,  
0.3936

51.7052, 0.3144,  
0.3389

45.5637, 0.3255,  
0.4242

54.2458, 0.3103,  
0.3153

43.9815, 0.3280,  
0.4559

57.0463, 0.3063,  
0.2943


42.6162, 0.3294,  
0.4876


60.1141, 0.3024,  
0.2757


41.4574, 0.3295,  
0.5177


63.0640, 0.3028,  
0.2648


 40.4936, 0.3279,  
0.5441

 65.3488, 0.3123,  
0.2667

 39.7121, 0.3247,  
0.5652

 66.1750, 0.3156,  
0.2673

 39.0981, 0.3201,  
0.5799

 38.7994, 0.3172,  
0.5863

# Harmonies

## Analogous

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



49.4146, 0.3392, 0.3676



49.4146, 0.3184, 0.3650



49.4146, 0.2966, 0.3517

# Triad

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



49.4146, 0.3184, 0.3650



49.4146, 0.2736, 0.2978



49.4146, 0.3467, 0.3249

# Complementary

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



49.4146, 0.3184, 0.3650



40.7742, 0.3062, 0.2939

# 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.



49.4146, 0.3281, 0.3078



49.4146, 0.3184, 0.3650



49.4146, 0.2860, 0.2922

# Square

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



49.4146, 0.3184, 0.3650



49.4146, 0.2713, 0.3120



49.4146, 0.3058, 0.2960



49.4146, 0.3560, 0.3436



# Rectangle

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



49.4146, 0.3184, 0.3650



49.4146, 0.2845, 0.3388



49.4146, 0.3058, 0.2960



49.4146, 0.3413, 0.3188

# Sweetspot

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



49.4167, 0.3184, 0.3650



93.6954, 0.3144, 0.3389



47.6006, 0.3352, 0.3517



20.0298, 0.3147, 0.3408



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

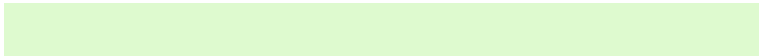


# Same Dimension

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



49.4167, 0.3184, 0.3650



88.3126, 0.3197, 0.3739



48.5605, 0.3080, 0.3601



11.4194, 0.3165, 0.3524



26.1494, 0.3180, 0.5857



1.1681, 0.3363, 0.5712



# Inverse Universe

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



40.7742, 0.3062, 0.2939



69.4957, 0.3044, 0.2854



41.7434, 0.3178, 0.2997



10.0728, 0.3085, 0.3059



5.6705, 0.2387, 0.1088

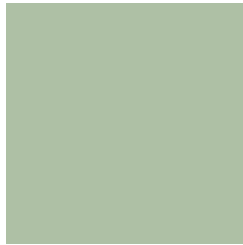


0.2815, 0.2575, 0.1192



# Previews

## White Background



This preview shows how the Yxy color 49.4146, 0.3184, 0.3650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

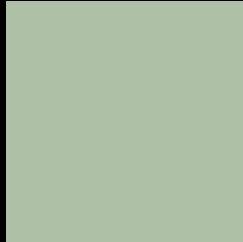
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.4146, 0.3184, 0.3650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

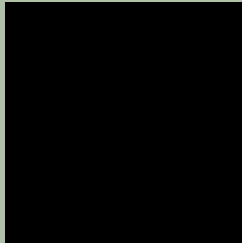
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

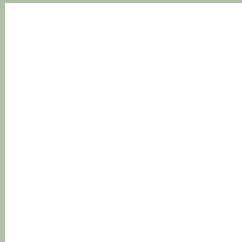
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.4146, 0.3184, 0.3650**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.4146, 0.3184, 0.3650.



This preview shows how white text looks on a background with the Yxy color 49.4146, 0.3184, 0.3650.

# 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

49.4146, 0.3184, 0.3650

### Protanopia

49.3285, 0.3396, 0.3596

### Deuteranopia

49.3186, 0.3502, 0.3437



## Tritanopia

49.5082, 0.2959, 0.3100

# Trichromacy



**Original Color**

49.4146, 0.3184, 0.3650

**Protanomaly**

49.1756, 0.3315, 0.3615

**Deuteranomaly**

49.0768, 0.3386, 0.3505

**Tritanomaly**

49.5343, 0.3038, 0.3290

# Monochromacy



**Original Color**

49.4146, 0.3184, 0.3650

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.4183, 0.3146, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4146, 0.3184, 0.3650 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(174, 192, 165)` looks like.

```
.text, #text, p{  
    color:rgb(174, 192, 165)  
}
```

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(174, 192, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 192, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4146, 0.3184, 0.3650 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(174, 192, 165) }
```

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

```
.border{ border-color:rgb(174, 192, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 192, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 192, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 192, 165);  
box-shadow:4px 4px 4px 4px rgb(174, 192,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4146, 0.3184, 0.3650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 192, 165) }
```

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

```
.background{ background-color: rgb(174,  
192, 165) }
```

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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