

# Converting Colors

$Y_{xy}(49.5630, 0.3675, 0.4363)$

Have a look what the booklet for  
Yxy(49.5630, 0.3675, 0.4363)  
contains.

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# Color

**Yxy(49.4780, 0.3672, 0.4356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8C16F
RGB	184, 193, 111
RGB Percent	72%, 76%, 44%
CMY	0.2784, 0.2431, 0.5646
CMYK	0.05, 0.00, 0.42, 0.24
HSL	67°, 40%, 60%
HSV	67°, 42%, 76%
XYZ	41.7087, 49.4780, 22.3991
YIQ	180.9610, 20.9580, -27.4100

# Conversions

## Conversions Part 2

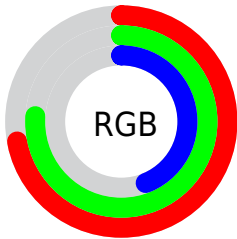
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">111, 193, 120</a>
Decimal	<a href="#">12108143</a>
<a href="#">CIELab</a>	<a href="#">75.75, -15.51, 40.12</a>
<a href="#">CIElCh</a>	<a href="#">76, 43.014, 111.134</a>
<a href="#">Yxy</a>	<a href="#">49.4780, 0.3672, 0.4356</a>
Android (android.graphics.Color)	<a href="#">4290298223</a> (0xFFB8C16F)
<a href="#">YUV</a>	<a href="#">180.9610, -34.4908, 2.6652</a>
<a href="#">Hunter-Lab</a>	<a href="#">70.3406, -17.2538, 30.3582</a>

# Details

The Yxy color **49.4780, 0.3672, 0.4356** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.2210, 0.2422, 0.2018**, and the grayscale version is **46.3707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1325, 0.3587, 0.4160**, and **23.7602, 0.3778, 0.4657** is the 20% darker color. If you saturate the color by 10%, you get **48.8402, 0.3781, 0.4587**, and if you desaturate by 10%, it is **50.2160, 0.3550, 0.4107**.

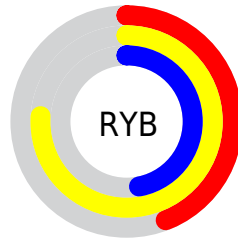
# Distribution



Red (72%)

Green (76%)

Blue (44%)



Red (44%)

Yellow (76%)

Blue (47%)

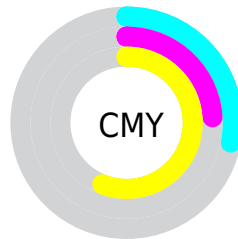


Cyan (5%)

Magenta (0%)

Yellow (42%)

Black (24%)



Cyan (28%)

Magenta (24%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4780, 0.3672, 0.4356 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 49.4780, 0.3672, 0.4356 by changing the saturation by 10% instead.



■ 49.4780, 0.3672,  
0.4356

■ 49.4780, 0.3672,  
0.4356

■ 384.6211, 0.3420,  
0.3821

■ 34.9988, 0.3726,  
0.4486

■ 89.4010, 0.3587,  
0.4163

■ 23.6620, 0.3788,  
0.4650

■ 115.6136, 0.3553,  
0.4090

■ 15.0831, 0.3859,  
0.4861

■ 146.5060, 0.3523,  
0.4028

■ 8.8777, 0.3932,  
0.5136

■ 182.4628, 0.3498,  
0.3975

■ 4.6615, 0.4053,  
0.5589

■ 223.8684, 0.3475,  
0.3929

■ 2.0500, 0.3985,  
0.6015

■ 271.1070, 0.3455,

■ 0.6363, 0.2623,

0.3888

0.7377

324.5631, 0.3437,  
0.3853

0.0000, 0.0000,  
0.0000

49.4780, 0.3672,  
0.4356

49.4780, 0.3672,  
0.4356

48.8402, 0.3781,  
0.4587

50.2160, 0.3550,  
0.4107

48.2900, 0.3872,  
0.4792

51.0531, 0.3421,  
0.3851

47.8228, 0.3940,  
0.4959

51.9964, 0.3289,  
0.3596

47.4311, 0.3983,  
0.5085


53.0506, 0.3159,  
0.3349


47.1056, 0.4000,  
0.5166

54.2202, 0.3033,  
0.3115

 46.8912, 0.4001,  
0.5205

 55.5094, 0.2914,  
0.2896

 56.9220, 0.2803,  
0.2694

 57.7715, 0.2763,  
0.2608

 58.0669, 0.2777,  
0.2611

# Harmonies

## Analogous

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



49.4780, 0.4120, 0.4124



49.4780, 0.3672, 0.4356



49.4780, 0.3102, 0.4255

# Triad

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



49.4780, 0.3672, 0.4356



49.4780, 0.2075, 0.2698



49.4780, 0.3665, 0.2839

# Complementary

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



49.4780, 0.3672, 0.4356



19.2210, 0.2422, 0.2018

# 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.



49.4780, 0.3063, 0.2525



49.4780, 0.3672, 0.4356



49.4780, 0.2189, 0.2423

# Square

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



49.4780, 0.3672, 0.4356



49.4780, 0.2202, 0.3194



49.4780, 0.2533, 0.2374



49.4780, 0.4138, 0.3258



# Rectangle

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



49.4780, 0.3672, 0.4356



49.4780, 0.2731, 0.3980



49.4780, 0.2533, 0.2374



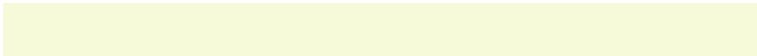
49.4780, 0.3468, 0.2719

# Sweetspot

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



49.4802, 0.3672, 0.4356



92.9938, 0.3299, 0.3615



25.7341, 0.4166, 0.3405



19.8666, 0.3328, 0.3671



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.



49.4802, 0.3672, 0.4356



87.5434, 0.3774, 0.4573



45.2022, 0.3320, 0.4492



11.7004, 0.3248, 0.3519



31.2090, 0.4004, 0.5203



1.3648, 0.4049, 0.5167



# Inverse Universe

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



19.2210, 0.2422, 0.2018



26.1969, 0.2235, 0.1698



22.7216, 0.2821, 0.2147



9.7997, 0.3000, 0.3053



2.6859, 0.1543, 0.0624



0.1341, 0.1682, 0.0700



# Previews

## White Background



This preview shows how the Yxy color 49.4780, 0.3672, 0.4356 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 49.4780, 0.3672, 0.4356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

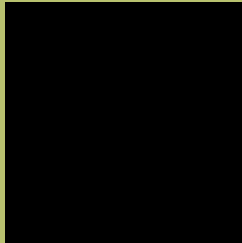
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.4780, 0.3672, 0.4356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.4780, 0.3672, 0.4356.



This preview shows how white text looks on a background with the Yxy color 49.4780, 0.3672, 0.4356.

# 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

49.4780, 0.3672, 0.4356

### Protanopia

49.4821, 0.3898, 0.4246

### Deuteranopia

49.2244, 0.4114, 0.4024



## Tritanopia

49.3675, 0.3110, 0.3117

# Trichromacy



## Original Color

49.4780, 0.3672, 0.4356

## Protanomaly

49.3913, 0.3816, 0.4280

## Deuteranomaly

48.9081, 0.3955, 0.4135

## Tritanomaly

49.2410, 0.3318, 0.3561

# Monochromacy



## Original Color

49.4780, 0.3672, 0.4356

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.0433, 0.3332, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.4780, 0.3672, 0.4356 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, 193, 111)` looks like.

```
.text, #text, p{  
    color:rgb(184, 193, 111)  
}
```

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, 193, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 193, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 49.4780, 0.3672, 0.4356 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, 193, 111) }
```

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

```
.border{ border-color:rgb(184, 193, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 193, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 193, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 193, 111);  
box-shadow:4px 4px 4px 4px rgb(184, 193,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.4780, 0.3672, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 193, 111) }
```

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

```
.background{ background-color: rgb(184,  
193, 111) }
```

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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