

# Converting Colors

$Yxy(47.5254, 0.3545, 0.4096)$

Have a look what the booklet for  
Yxy(47.5254, 0.3545, 0.4096)  
contains.

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# Color

**Yxy(47.4700, 0.3548, 0.4090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6BC80
RGB	182, 188, 128
RGB Percent	71%, 74%, 50%
CMY	0.2861, 0.2628, 0.4980
CMYK	0.03, 0.00, 0.32, 0.26
HSL	66°, 31%, 62%
HSV	66°, 32%, 74%
XYZ	41.1794, 47.4700, 27.4142
YIQ	179.3660, 15.6840, -19.9320

# Conversions

## Conversions Part 2

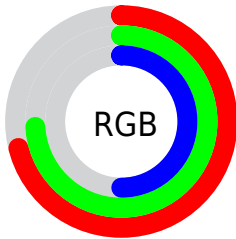
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 188, 134
Decimal	11975808
CIELab	74.49, -11.70, 29.73
CIELCh	74, 31.946, 111.483
Yxy	47.4700, 0.3548, 0.4090
Android (android.graphics.Color)	4290165888 (0xFFB6BC80)
YUV	179.3660, -25.3234, 2.3100
Hunter-Lab	68.8985, -13.8862, 24.6379

# Details

The Yxy color  $47.4700, 0.3548, 0.4090$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $24.1329, 0.2620, 0.2376$ , and the grayscale version is  $45.4209, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.3883, 0.3483, 0.3944$ , and  $22.4672, 0.3646, 0.4324$  is the 20% darker color. If you saturate the color by 10%, you get  $46.7968, 0.3672, 0.4338$ , and if you desaturate by 10%, it is  $48.2422, 0.3417, 0.3835$ .

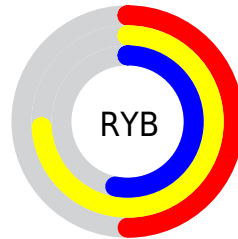
# Distribution



Red (71%)

Green (74%)

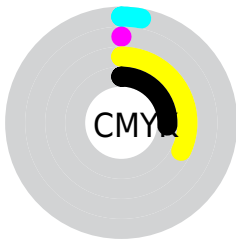
Blue (50%)



Red (50%)

Yellow (74%)

Blue (53%)

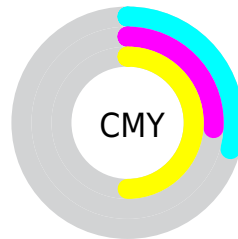


Cyan (3%)

Magenta (0%)

Yellow (32%)

Black (26%)



Cyan (29%)

Magenta (26%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4700, 0.3548, 0.4090 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 47.4700, 0.3548, 0.4090 by changing the saturation by 10% instead.





 47.4700, 0.3548,  
0.4090

 47.4700, 0.3548,  
0.4090


376.6875, 0.3347,  
0.3685

 33.4074, 0.3594,  
0.4191


 86.4148, 0.3478,  
0.3942

 22.4387, 0.3651,  
0.4321


 112.0657, 0.3450,  
0.3887

 14.1796, 0.3720,  
0.4492


 142.3481, 0.3427,  
0.3840

 8.2457, 0.3805,  
0.4725

177.6465, 0.3406,  
0.3800

 4.2526, 0.3904,  
0.5057

218.3453, 0.3389,  
0.3765

 1.8158, 0.4181,  
0.5819

264.8288, 0.3373,

 0.4970, 0.2732,

0.3735

0.7268

317.4814, 0.3359,  
0.3708

0.0000, 0.0000,  
0.0000

47.4700, 0.3548,  
0.4090

47.4700, 0.3548,  
0.4090

46.7968, 0.3672,  
0.4338

48.2422, 0.3417,  
0.3835

46.2110, 0.3784,  
0.4568

49.1118, 0.3283,  
0.3582

45.7094, 0.3878,  
0.4772


50.0851, 0.3152,  
0.3336

45.2855, 0.3950,  
0.4940

51.1663, 0.3025,  
0.3102


44.9325, 0.3996,  
0.5066

52.3594, 0.2905,  
0.2884

 44.6416, 0.4017,  
0.5148

 53.6679, 0.2794,  
0.2683

 44.4385, 0.4020,  
0.5190

 54.7959, 0.2718,  
0.2543

 55.0456, 0.2731,  
0.2546

 55.2985, 0.2744,  
0.2549

# Harmonies

## Analogous

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



47.4700, 0.3883, 0.3940



47.4700, 0.3548, 0.4090



47.4700, 0.3114, 0.3996

# Triad

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



47.4700, 0.3548, 0.4090



47.4700, 0.2312, 0.2847



47.4700, 0.3540, 0.2948

# Complementary

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



47.4700, 0.3548, 0.4090



24.1329, 0.2620, 0.2376

# 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.



47.4700, 0.3090, 0.2698



47.4700, 0.3548, 0.4090



47.4700, 0.2405, 0.2625

# Square

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



47.4700, 0.3548, 0.4090



47.4700, 0.2416, 0.3224



47.4700, 0.2680, 0.2580



47.4700, 0.3889, 0.3282



# Rectangle

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



47.4700, 0.3548, 0.4090



47.4700, 0.2830, 0.3794



47.4700, 0.2680, 0.2580



47.4700, 0.3394, 0.2853

# Sweetspot

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



47.4721, 0.3548, 0.4090



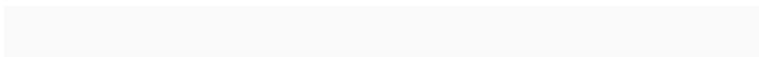
89.3118, 0.3260, 0.3538



29.0240, 0.3825, 0.3362



19.1551, 0.3279, 0.3573



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.



47.4721, 0.3548, 0.4090



85.2055, 0.3632, 0.4258



44.2932, 0.3290, 0.4162



11.0712, 0.3249, 0.3518



30.2775, 0.4022, 0.5188



1.2000, 0.4066, 0.5154



# Inverse Universe

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



24.1329, 0.2620, 0.2376



36.5403, 0.2492, 0.2150



26.8553, 0.2904, 0.2445



9.2694, 0.2999, 0.3054



2.5793, 0.1539, 0.0621



0.1164, 0.1674, 0.0696



# Previews

## White Background



This preview shows how the Yxy color 47.4700, 0.3548, 0.4090 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 47.4700, 0.3548, 0.4090 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

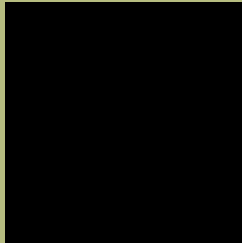
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

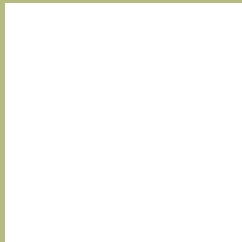
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4700, 0.3548, 0.4090**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4700, 0.3548, 0.4090.



This preview shows how white text looks on a background with the Yxy color 47.4700, 0.3548, 0.4090.

# 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

47.4700, 0.3548, 0.4090

### Protanopia

47.3791, 0.3730, 0.4017

### Deuteranopia

47.0504, 0.3902, 0.3822



## Tritanopia

47.4847, 0.3101, 0.3114

# Trichromacy



**Original Color**

47.4700, 0.3548, 0.4090

**Protanomaly**

47.4367, 0.3658, 0.4043

**Deuteranomaly**

47.0916, 0.3766, 0.3919

**Tritanomaly**

47.3340, 0.3266, 0.3459

# Monochromacy



**Original Color**

47.4700, 0.3548, 0.4090

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

45.6973, 0.3287, 0.3585

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4700, 0.3548, 0.4090 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(182, 188, 128)` looks like.

```
.text, #text, p{  
    color:rgb(182, 188, 128)  
}
```

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(182, 188, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 188, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4700, 0.3548, 0.4090 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(182, 188, 128) }
```

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

```
.border{ border-color:rgb(182, 188, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 188, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 188, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 188, 128);  
box-shadow:4px 4px 4px 4px rgb(182, 188,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4700, 0.3548, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 188, 128) }
```

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

```
.background{ background-color: rgb(182,  
188, 128) }
```

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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