

# Converting Colors

$Yxy(48.7620, 0.3278, 0.4247)$

Have a look what the booklet for  
Yxy(48.7620, 0.3278, 0.4247)  
contains.

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# Color

**Yxy(48.9684, 0.3274, 0.4247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC682
RGB	155, 198, 130
RGB Percent	61%, 78%, 51%
CMY	0.3919, 0.2236, 0.4902
CMYK	0.22, 0.00, 0.34, 0.22
HSL	98°, 37%, 64%
HSV	98°, 34%, 78%
XYZ	37.7496, 48.9684, 28.5832
YIQ	177.3910, -3.8000, -30.2640

# Conversions

## Conversions Part 2

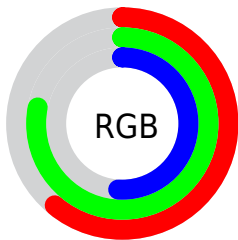
Format	Color
<a href="#">RYB</a>	<a href="#">130, 198, 173</a>
Decimal	<a href="#">10208898</a>
CIELab	<a href="#">75.43, -26.57, 29.58</a>
CIElCh	<a href="#">75, 39.762, 131.931</a>
Yxy	<a href="#">48.9684, 0.3274, 0.4247</a>
Android (android.graphics.Color)	<a href="#">4288398978 (0xFF9BC682)</a>
YUV	<a href="#">177.3910, -23.3638, -19.6369</a>
Hunter-Lab	<a href="#">69.9774, -26.1680, 24.7665</a>

# Details

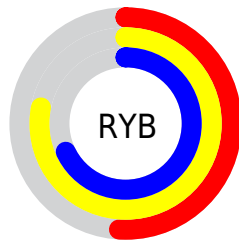
The Yxy color **48.9684, 0.3274, 0.4247** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.9213, 0.2914, 0.2381**, and the grayscale version is **44.3165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6823, 0.3251, 0.4061**, and **23.3505, 0.3284, 0.4538** is the 20% darker color. If you saturate the color by 10%, you get **47.3146, 0.3304, 0.4562**, and if you desaturate by 10%, it is **50.8568, 0.3236, 0.3943**.

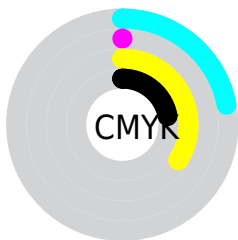
# Distribution



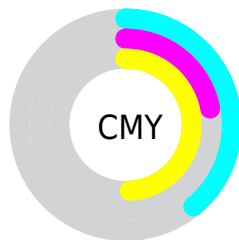
- Red (61%)
- Green (78%)
- Blue (51%)



- Red (51%)
- Yellow (78%)
- Blue (68%)



- Cyan (22%)
- Magenta (0%)
- Yellow (34%)
- Black (22%)




- Cyan (39%)
- Magenta (22%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9684, 0.3274, 0.4247 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 48.9684, 0.3274, 0.4247 by changing the saturation by 10% instead.




 48.9684, 0.3274,  
0.4247


 48.9684, 0.3274,  
0.4247


382.6179, 0.3215,  
0.3752


 34.5944, 0.3283,  
0.4374


 88.6445, 0.3256,  
0.4064

 23.3506, 0.3292,  
0.4540


 114.7154, 0.3249,  
0.3996

 14.8526, 0.3296,  
0.4763


 145.4541, 0.3242,  
0.3939

 8.7160, 0.3289,  
0.5075

181.2450, 0.3235,  
0.3891

 4.5564, 0.3247,  
0.5540

222.4724, 0.3229,  
0.3849

 1.9894, 0.3305,  
0.6695

269.5208, 0.3224,

 0.6013, 0.0000,

0.3813

1.0000

322.7745, 0.3219,  
0.3781

0.0000, 0.0000,  
0.0000

48.9684, 0.3274,  
0.4247

48.9684, 0.3274,  
0.4247

47.3146, 0.3304,  
0.4562

50.8568, 0.3236,  
0.3943

45.8794, 0.3322,  
0.4875

52.9827, 0.3193,  
0.3658

44.6542, 0.3326,  
0.5169


55.3567, 0.3147,  
0.3396


43.6276, 0.3312,  
0.5428


57.9871, 0.3101,  
0.3159

42.7866, 0.3280,  
0.5634


60.8814, 0.3056,  
0.2947

 42.1161, 0.3233,  
0.5778

 64.0473, 0.3012,  
0.2759

 41.7991, 0.3204,  
0.5838

 66.5844, 0.3062,  
0.2716

 68.8642, 0.3153,  
0.2732

# Harmonies

## Analogous

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



48.9684, 0.3785, 0.4242



48.9684, 0.3274, 0.4247



48.9684, 0.2749, 0.3914

# Triad

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



48.9684, 0.3274, 0.4247



48.9684, 0.2193, 0.2539



48.9684, 0.3954, 0.3137

# Complementary

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



48.9684, 0.3274, 0.4247



28.9213, 0.2914, 0.2381

# 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.



48.9684, 0.3460, 0.2766



48.9684, 0.3274, 0.4247



48.9684, 0.2454, 0.2426

# Square

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



48.9684, 0.3274, 0.4247



48.9684, 0.2155, 0.2866



48.9684, 0.2904, 0.2513



48.9684, 0.4207, 0.3563



# Rectangle

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



48.9684, 0.3274, 0.4247



48.9684, 0.2461, 0.3562



48.9684, 0.2904, 0.2513



48.9684, 0.3809, 0.3004

# Sweetspot

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



48.9705, 0.3274, 0.4247



95.5379, 0.3174, 0.3545



43.0952, 0.3742, 0.3835



20.3228, 0.3180, 0.3583



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

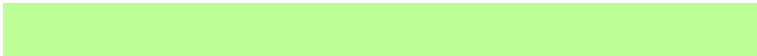


# Same Dimension

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



48.9705, 0.3274, 0.4247



84.5524, 0.3297, 0.4476



46.9638, 0.3028, 0.4184



12.0750, 0.3170, 0.3525



27.2305, 0.3213, 0.5831



1.3304, 0.3383, 0.5696



# Inverse Universe

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



28.9213, 0.2914, 0.2381



43.8477, 0.2855, 0.2177



31.6921, 0.3246, 0.2536



10.6137, 0.3080, 0.3058



5.5386, 0.2310, 0.1046



0.3024, 0.2499, 0.1151



# Previews

## White Background



This preview shows how the Yxy color 48.9684, 0.3274, 0.4247 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 48.9684, 0.3274, 0.4247 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 48.9684, 0.3274, 0.4247**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9684, 0.3274, 0.4247.



This preview shows how white text looks on a background with the Yxy color 48.9684, 0.3274, 0.4247.

# 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

48.9684, 0.3274, 0.4247

### Protanopia

48.5961, 0.3757, 0.4045

### Deuteranopia

48.4092, 0.3886, 0.3792



## Tritanopia

48.9703, 0.2846, 0.3095

# Trichromacy



**Original Color**

48.9684, 0.3274, 0.4247

**Protanomaly**

48.5496, 0.3566, 0.4121

**Deuteranomaly**

48.1271, 0.3646, 0.3957

**Tritanomaly**

48.6601, 0.3007, 0.3492

# Monochromacy



**Original Color**

48.9684, 0.3274, 0.4247

**Achromatopsia**

43.9657, 0.3127, 0.3290

**Achromatomaly**

45.6710, 0.3187, 0.3634

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9684, 0.3274, 0.4247 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(155, 198, 130)` looks like.

```
.text, #text, p{  
    color:rgb(155, 198, 130)  
}
```

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(155, 198, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 198, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9684, 0.3274, 0.4247 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(155, 198, 130) }
```

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

```
.border{ border-color:rgb(155, 198, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 198, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 198, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 198, 130);  
box-shadow:4px 4px 4px 4px rgb(155, 198,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9684, 0.3274, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 198, 130) }
```

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

```
.background{ background-color: rgb(155,  
198, 130) }
```

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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