

# Converting Colors

$Yxy(48.0080, 0.3302, 0.4441)$

Have a look what the booklet for  
Yxy(48.0080, 0.3302, 0.4441)  
contains.

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# Color

**Yxy(47.9921, 0.3298, 0.4436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94C676
RGB	148, 198, 118
RGB Percent	58%, 78%, 46%
CMY	0.4195, 0.2235, 0.5373
CMYK	0.25, 0.00, 0.40, 0.22
HSL	97°, 41%, 62%
HSV	97°, 40%, 78%
XYZ	35.6803, 47.9921, 24.5154
YIQ	173.9300, -4.1200, -35.4800

# Conversions

## Conversions Part 2

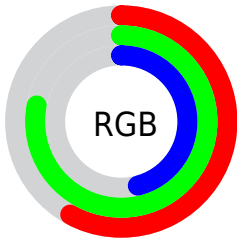
Format	Color
<a href="#">RYB</a>	<a href="#">118, 198, 168</a>
Decimal	<a href="#">9750134</a>
CIELab	<a href="#">74.82, -30.78, 34.91</a>
CIELCh	<a href="#">75, 46.542, 131.395</a>
Yxy	<a href="#">47.9921, 0.3298, 0.4436</a>
Android (android.graphics.Color)	<a href="#">4287940214 (0xFF94C676)</a>
YUV	<a href="#">173.9300, -27.5735, -22.7406</a>
Hunter-Lab	<a href="#">69.2763, -29.2983, 27.5120</a>

# Details

The Yxy color **47.9921, 0.3298, 0.4436** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.3479, 0.2859, 0.2209**, and the grayscale version is **42.4388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1568, 0.3278, 0.4217**, and **22.7968, 0.3308, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **46.4795, 0.3322, 0.4750**, and if you desaturate by 10%, it is **49.7308, 0.3263, 0.4125**.

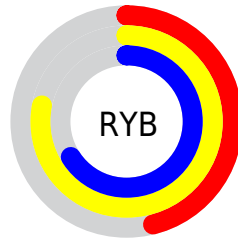
# Distribution



Red (58%)

Green (78%)

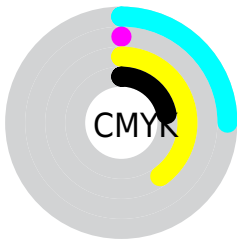
Blue (46%)



Red (46%)

Yellow (78%)

Blue (66%)

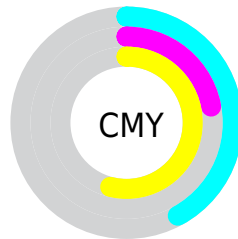


Cyan (25%)

Magenta (0%)

Yellow (40%)

Black (22%)



Cyan (42%)

Magenta (22%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9921, 0.3298, 0.4436 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 47.9921, 0.3298, 0.4436 by changing the saturation by 10% instead.





 47.9921, 0.3298,  
0.4436


 47.9921, 0.3298,  
0.4436


378.7608, 0.3234,  
0.3839

 33.8206, 0.3306,  
0.4590


 87.1926, 0.3280,  
0.4215

 22.7558, 0.3310,  
0.4791

 112.9905, 0.3272,  
0.4133

 14.4133, 0.3306,  
0.5059


 143.4326, 0.3264,  
0.4064

 8.4087, 0.3279,  
0.5433

178.9034, 0.3257,  
0.4006

 4.3576, 0.3216,  
0.6023

219.7872, 0.3250,  
0.3955

 1.8755, 0.3011,  
0.6989

266.4684, 0.3244,

 0.5336, 0.0000,

0.3912

1.0000

319.3315, 0.3239,  
0.3873

0.0000, 0.0000,  
0.0000

47.9921, 0.3298,  
0.4436

47.9921, 0.3298,  
0.4436

46.4795, 0.3322,  
0.4750

49.7308, 0.3263,  
0.4125

45.1768, 0.3333,  
0.5053

51.6987, 0.3222,  
0.3828

44.0749, 0.3326,  
0.5327

53.9067, 0.3176,  
0.3552


43.1617, 0.3302,  
0.5555


56.3632, 0.3129,  
0.3300

42.4233, 0.3261,  
0.5723

59.0759, 0.3082,  
0.3073

 41.8580, 0.3211,  
0.5832

 62.0524, 0.3037,  
0.2871

 65.1977, 0.3003,  
0.2706

 67.3707, 0.3094,  
0.2722

 68.8676, 0.3153,  
0.2732

# Harmonies

## Analogous

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



47.9921, 0.3895, 0.4400



47.9921, 0.3298, 0.4436



47.9921, 0.2687, 0.4046

# Triad

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



47.9921, 0.3298, 0.4436



47.9921, 0.2045, 0.2416



47.9921, 0.4095, 0.3095

# Complementary

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



47.9921, 0.3298, 0.4436



25.3479, 0.2859, 0.2209

# 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.



47.9921, 0.3503, 0.2675



47.9921, 0.3298, 0.4436



47.9921, 0.2335, 0.2292

# Square

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



47.9921, 0.3298, 0.4436



47.9921, 0.2004, 0.2791



47.9921, 0.2850, 0.2390



47.9921, 0.4397, 0.3581



# Rectangle

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



47.9921, 0.3298, 0.4436



47.9921, 0.2354, 0.3619



47.9921, 0.2850, 0.2390



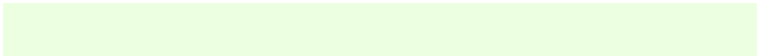
47.9921, 0.3919, 0.2944

# Sweetspot

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



47.9942, 0.3298, 0.4436



94.7381, 0.3184, 0.3599



41.0697, 0.3872, 0.3933



20.1637, 0.3191, 0.3635



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.



47.9942, 0.3298, 0.4436



82.7353, 0.3319, 0.4697



45.7782, 0.3011, 0.4374



12.0787, 0.3171, 0.3525



27.2670, 0.3221, 0.5825



1.3324, 0.3390, 0.5690



# Inverse Universe

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



25.3479, 0.2859, 0.2209



37.4450, 0.2785, 0.1979



28.6172, 0.3271, 0.2406



10.6099, 0.3079, 0.3058



5.4706, 0.2294, 0.1037



0.2995, 0.2486, 0.1143



# Previews

## White Background



This preview shows how the Yxy color 47.9921, 0.3298, 0.4436 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 47.9921, 0.3298, 0.4436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

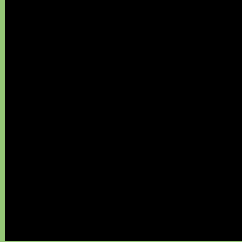
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.9921, 0.3298, 0.4436**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9921, 0.3298, 0.4436.



This preview shows how white text looks on a background with the Yxy color 47.9921, 0.3298, 0.4436.

# 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

47.9921, 0.3298, 0.4436

### Protanopia

47.7302, 0.3855, 0.4193

### Deuteranopia

47.6964, 0.3995, 0.3919



## Tritanopia

47.8553, 0.2808, 0.3092

# Trichromacy



## Original Color

47.9921, 0.3298, 0.4436

## Protanomaly

47.4339, 0.3640, 0.4286

## Deuteranomaly

47.1308, 0.3728, 0.4102

## Tritanomaly

47.7458, 0.2988, 0.3566

# Monochromacy



## Original Color

47.9921, 0.3298, 0.4436

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

44.1994, 0.3202, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9921, 0.3298, 0.4436 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(148, 198, 118)` looks like.

```
.text, #text, p{  
    color:rgb(148, 198, 118)  
}
```

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(148, 198, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 198, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9921, 0.3298, 0.4436 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(148, 198, 118) }
```

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

```
.border{ border-color:rgb(148, 198, 118) }
```

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

Here you see how a box with a 4 pixel rgb(148, 198, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 198, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 198, 118);  
box-shadow:4px 4px 4px 4px rgb(148, 198,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9921, 0.3298, 0.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 198, 118) }
```

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

```
.background{ background-color: rgb(148,  
198, 118) }
```

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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