

# Converting Colors

$Yxy(42.8058, 0.3402, 0.4312)$

Have a look what the booklet for  
Yxy(42.8058, 0.3402, 0.4312)  
contains.

<b>Yxy(42.8058, 0.3402, 0.4312)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.8058, 0.3402, 0.4312)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9AB973
RGB	154, 185, 115
RGB Percent	60%, 73%, 45%
CMY	0.3960, 0.2745, 0.5491
CMYK	0.17, 0.00, 0.38, 0.27
HSL	87°, 33%, 59%
HSV	87°, 38%, 73%
XYZ	33.7721, 42.8058, 22.6934
YIQ	167.7510, 3.9940, -28.3420

# Conversions

## Conversions Part 2

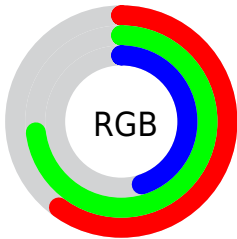
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">115, 185, 146</a>
Decimal	<a href="#">10140019</a>
CIELab	<a href="#">71.42, -22.68, 32.15</a>
CIELCh	<a href="#">71, 39.345, 125.203</a>
Yxy	<a href="#">42.8058, 0.3402, 0.4312</a>
Android (android.graphics.Color)	<a href="#">4288330099</a> ( <a href="#">0xFF9AB973</a> )
YUV	<a href="#">167.7510, -26.0062, -12.0596</a>
Hunter-Lab	<a href="#">65.4261, -22.3564, 25.2332</a>

# Details

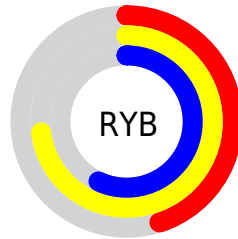
The Yxy color **42.8058, 0.3402, 0.4312** is a light color, and the websafe version is hex **99CC99**, and the color name is **olivine**. A complement of this color would be **21.8645, 0.2747, 0.2247**, and the grayscale version is **39.1597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2931, 0.3358, 0.4107**, and **19.7207, 0.3452, 0.4627** is the 20% darker color. If you saturate the color by 10%, you get **41.6478, 0.3458, 0.4601**, and if you desaturate by 10%, it is **44.1078, 0.3335, 0.4024**.

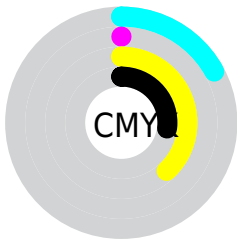
# Distribution



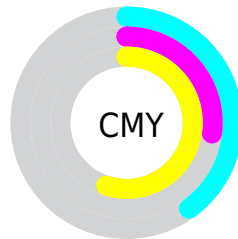
- Red (60%)
- Green (73%)
- Blue (45%)



- Red (45%)
- Yellow (73%)
- Blue (57%)



- Cyan (17%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)



- Cyan (40%)
- Magenta (27%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8058, 0.3402, 0.4312 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 42.8058, 0.3402, 0.4312 by changing the saturation by 10% instead.





 42.8058, 0.3402,  
0.4312

 42.8058, 0.3402,  
0.4312


357.8125, 0.3278,  
0.3775


 29.7328, 0.3426,  
0.4453


 79.4177, 0.3361,  
0.4112

 19.6358, 0.3453,  
0.4636


 103.7254, 0.3345,  
0.4038

 12.1306, 0.3479,  
0.4884

 132.5468, 0.3330,  
0.3976

 6.8327, 0.3495,  
0.5232

166.2662, 0.3317,  
0.3924

 3.3577, 0.3542,  
0.5872

205.2681, 0.3306,  
0.3879

 1.3212, 0.3292,  
0.6708

249.9368, 0.3296,

 0.1575, 0.0000,

0.3840

1.0000

300.6569, 0.3287,  
0.3806

■ 0.0000, 0.0000,  
0.0000

■ 42.8058, 0.3402,  
0.4312

■ 42.8058, 0.3402,  
0.4312

■ 41.6478, 0.3458,  
0.4601

■ 44.1078, 0.3335,  
0.4024

■ 40.6219, 0.3500,  
0.4878

■ 45.5539, 0.3262,  
0.3745

■ 39.7232, 0.3523,  
0.5130


■ 47.1513, 0.3187,  
0.3483


■ 38.9440, 0.3523,  
0.5344


■ 48.9052, 0.3111,  
0.3240


■ 38.2757, 0.3500,  
0.5508

■ 50.8204, 0.3037,  
0.3017

 37.7055, 0.3458,  
0.5622

 52.9015, 0.2967,  
0.2816

 37.5915, 0.3448,  
0.5644

 55.1528, 0.2901,  
0.2636

 57.0543, 0.2891,  
0.2547

 58.3587, 0.2952,  
0.2560

# Harmonies

## Analogous

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



42.8058, 0.3906, 0.4228



42.8058, 0.3402, 0.4312



42.8058, 0.2850, 0.4042

# Triad

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



42.8058, 0.3402, 0.4312



42.8058, 0.2135, 0.2570



42.8058, 0.3885, 0.3037

# Complementary

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



42.8058, 0.3402, 0.4312



21.8645, 0.2747, 0.2247

# 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.



42.8058, 0.3340, 0.2678



42.8058, 0.3402, 0.4312



42.8058, 0.2353, 0.2406

# Square

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



42.8058, 0.3402, 0.4312



42.8058, 0.2149, 0.2954



42.8058, 0.2778, 0.2453



42.8058, 0.4215, 0.3469



# Rectangle

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



42.8058, 0.3402, 0.4312



42.8058, 0.2529, 0.3700



42.8058, 0.2778, 0.2453



42.8058, 0.3717, 0.2906

# Sweetspot

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



42.8077, 0.3402, 0.4312



83.4647, 0.3212, 0.3568



31.8998, 0.3879, 0.3718



17.9098, 0.3222, 0.3603



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



42.8077, 0.3402, 0.4312



75.0100, 0.3448, 0.4540



39.9027, 0.3110, 0.4411



10.3004, 0.3198, 0.3520



25.6402, 0.3456, 0.5638



0.9399, 0.3644, 0.5489



# Inverse Universe

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



21.8645, 0.2747, 0.2247



32.3803, 0.2644, 0.2008



25.5014, 0.3119, 0.2354



8.9086, 0.3051, 0.3059



3.6432, 0.1929, 0.0836



0.1652, 0.2232, 0.1003



# Previews

## White Background



This preview shows how the Yxy color 42.8058, 0.3402, 0.4312 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 42.8058, 0.3402, 0.4312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

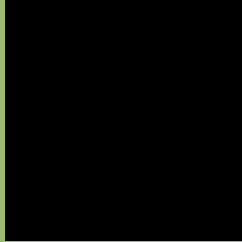
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.8058, 0.3402, 0.4312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.8058, 0.3402, 0.4312.



This preview shows how white text looks on a background with the Yxy color 42.8058, 0.3402, 0.4312.

# 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

42.8058, 0.3402, 0.4312

### Protanopia

42.3670, 0.3819, 0.4123

### Deuteranopia

42.5247, 0.3973, 0.3889



## Tritanopia

42.7677, 0.2924, 0.3100

# Trichromacy



**Original Color**

42.8058, 0.3402, 0.4312

**Protanomaly**

42.3578, 0.3665, 0.4198

**Deuteranomaly**

42.3989, 0.3750, 0.4037

**Tritanomaly**

42.4616, 0.3099, 0.3516

# Monochromacy



**Original Color**

42.8058, 0.3402, 0.4312

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.2286, 0.3236, 0.3650

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.8058, 0.3402, 0.4312 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(154, 185, 115)` looks like.

```
.text, #text, p{  
    color:rgb(154, 185, 115)  
}
```

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(154, 185, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 185, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 42.8058, 0.3402, 0.4312 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(154, 185, 115) }
```

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

```
.border{ border-color:rgb(154, 185, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 185, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 185, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 185, 115);  
box-shadow:4px 4px 4px 4px rgb(154, 185,  
115) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.8058, 0.3402, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 185, 115) }
```

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

```
.background{ background-color: rgb(154,  
185, 115) }
```

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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