

# Converting Colors

$Y_{xy}(40.4327, 0.3840, 0.5333)$

Have a look what the booklet for  
Yxy(40.4327, 0.3840, 0.5333)  
contains.

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**Color**

**Yxy(40.4840, 0.3842, 0.5331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93B800
RGB	147, 184, 0
RGB Percent	58%, 72%, 0%
CMY	0.4235, 0.2784, 0.9994
CMYK	0.20, 0.00, 1.00, 0.28
HSL	72°, 100%, 36%
HSV	72°, 100%, 72%
XYZ	29.1764, 40.4840, 6.2803
YIQ	151.9610, 37.0120, -65.0680

# Conversions

## Conversions Part 2

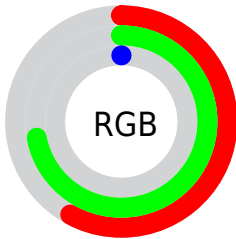
Format	Color
<b>RYB</b>	0, 184, 37
Decimal	9680896
CIELab	69.81, -32.59, 70.68
CIElCh	70, 77.832, 114.758
Yxy	40.4840, 0.3842, 0.5331
Android (android.graphics.Color)	4287870976 (0xFF93B800)
YUV	151.9610, -74.9168, -4.3508
Hunter-Lab	63.6270, -29.4954, 38.6867

# Details

The Yxy color **40.4840, 0.3842, 0.5331** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **3.8598, 0.1600, 0.0656**, and the grayscale version is **31.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8638, 0.3784, 0.4971**, and **18.4567, 0.3678, 0.5461** is the 20% darker color. If you saturate the color by 10%, you get **40.4826, 0.3842, 0.5332**, and if you desaturate by 10%, it is **40.8787, 0.3854, 0.5258**.

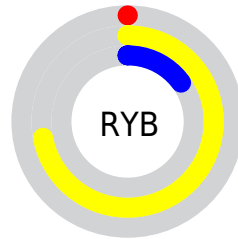
# Distribution



Red (58%)

Green (72%)

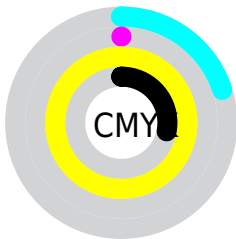
Blue (0%)



Red (0%)

Yellow (72%)

Blue (15%)

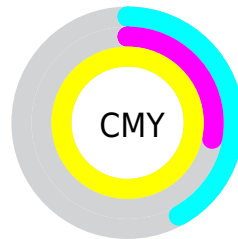


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (42%)

Magenta (28%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4840, 0.3842, 0.5331 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 40.4840, 0.3842, 0.5331 by changing the saturation by 10% instead.





 40.4840, 0.3842,  
0.5331


 40.4840, 0.3842,  
0.5331


348.1594, 0.3584,  
0.4303

 27.9161, 0.3855,  
0.5559


 75.9000, 0.3783,  
0.4972


 18.2624, 0.3837,  
0.5823


 99.5168, 0.3750,  
0.4831

 11.1386, 0.3805,  
0.6195


 127.5855, 0.3718,  
0.4711

 6.1601, 0.3562,  
0.6438

 160.4903, 0.3687,  
0.4606

 2.9427, 0.3181,  
0.6819

 198.6157, 0.3658,  
0.4515

 1.1019, 0.1769,  
0.8231

 242.3461, 0.3632,

 0.0000, 0.0000,

0.4436

0.0000

292.0659, 0.3607,  
0.4365

■ 40.4840, 0.3842,  
0.5331

■ 40.4840, 0.3842,  
0.5331

■ 40.4826, 0.3842,  
0.5332

■ 40.8787, 0.3854,  
0.5258

■ 41.3254, 0.3846,  
0.5146

■ 41.8414, 0.3812,  
0.4990

■ 42.4347, 0.3753,  
0.4793

■ 43.1117, 0.3674,  
0.4564

■ 43.8785, 0.3577,  
0.4313

■ 44.7402, 0.3470,  
0.4052

■ 45.7018, 0.3356,  
0.3789

■ 46.7675, 0.3240,  
0.3533

# Harmonies

## Analogous

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



40.4840, 0.4738, 0.4708



40.4840, 0.3842, 0.5331



40.4840, 0.2830, 0.5242

# Triad

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



40.4840, 0.3842, 0.5331



40.4840, 0.1336, 0.2072



40.4840, 0.4274, 0.2541

# Complementary

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



40.4840, 0.3842, 0.5331



3.8598, 0.1600, 0.0656

# 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.



40.4840, 0.3095, 0.2024



40.4840, 0.3842, 0.5331



40.4840, 0.1560, 0.1739

# Square

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



40.4840, 0.3842, 0.5331



40.4840, 0.1445, 0.2872



40.4840, 0.2134, 0.1743



40.4840, 0.5144, 0.3203



# Rectangle

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



40.4840, 0.3842, 0.5331



40.4840, 0.2209, 0.4592



40.4840, 0.2134, 0.1743



40.4840, 0.3884, 0.2347

# Sweetspot

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



40.4858, 0.3842, 0.5331



81.0085, 0.3476, 0.4067



11.5089, 0.6174, 0.3479



17.3192, 0.3522, 0.4177



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.



40.4858, 0.3842, 0.5331



73.2832, 0.3836, 0.5336



35.1019, 0.3142, 0.5887



10.4097, 0.3234, 0.3518



27.9308, 0.3846, 0.5328



1.0081, 0.3941, 0.5253



# Inverse Universe

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



3.8598, 0.1600, 0.0656



6.9070, 0.1589, 0.0649



8.1190, 0.2463, 0.1131



8.8042, 0.3015, 0.3056



2.6809, 0.1608, 0.0660



0.1205, 0.1858, 0.0797



# Previews

## White Background



This preview shows how the Yxy color 40.4840, 0.3842, 0.5331 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 40.4840, 0.3842, 0.5331 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 40.4840, 0.3842, 0.5331**

## Background



This preview shows how black text looks on a background with the Yxy color 40.4840, 0.3842, 0.5331.



This preview shows how white text looks on a background with the Yxy color 40.4840, 0.3842, 0.5331.

# 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

40.4840, 0.3842, 0.5331

### Protanopia

40.3323, 0.4400, 0.4888

### Deuteranopia

39.8957, 0.4650, 0.4552



## Tritanopia

40.3100, 0.2936, 0.3096

# Trichromacy



**Original Color**

40.4840, 0.3842, 0.5331

**Protanomaly**

40.2808, 0.4193, 0.5053

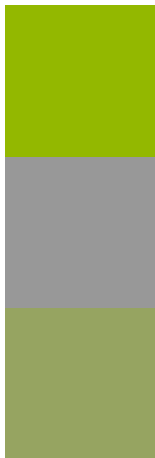
**Deuteranomaly**

39.3772, 0.4370, 0.4839

**Tritanomaly**

39.5268, 0.3432, 0.4149

# Monochromacy



**Original Color**

40.4840, 0.3842, 0.5331

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

33.8980, 0.3578, 0.4330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.4840, 0.3842, 0.5331 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(147, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 184, 0)  
}
```

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(147, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 184, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 40.4840, 0.3842, 0.5331 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(147, 184, 0) }
```

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

```
.border{ border-color:rgb(147, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 184,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.4840, 0.3842, 0.5331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 184, 0) }
```

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

```
.background{ background-color: rgb(147,  
184, 0) }
```

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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