

# Converting Colors

$Y_{xy}(40.1761, 0.3698, 0.5446)$

Have a look what the booklet for  
Yxy(40.1761, 0.3698, 0.5446)  
contains.

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**Color**

**Yxy(40.1044, 0.3698, 0.5446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85BA00
RGB	133, 186, 0
RGB Percent	52%, 73%, 0%
CMY	0.4784, 0.2706, 1.0000
CMYK	0.28, 0.00, 1.00, 0.27
HSL	77°, 100%, 36%
HSV	77°, 100%, 73%
XYZ	27.2321, 40.1044, 6.3036
YIQ	148.9490, 28.1180, -69.0820

# Conversions

## Conversions Part 2

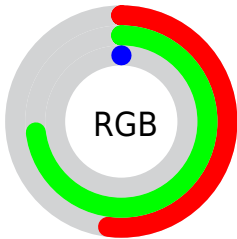
Format	Color
<a href="#">RYB</a>	0, 186, 53
Decimal	8763904
CIELab	69.54, -39.10, 70.12
CIELCh	70, 80.284, 119.145
Yxy	40.1044, 0.3698, 0.5446
Android (android.graphics.Color)	4286953984 (0xFF85BA00)
YUV	148.9490, -73.4319, -13.9873
Hunter-Lab	63.3280, -34.0661, 38.4280

# Details

The Yxy color **40.1044, 0.3698, 0.5446** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.3022, 0.1683, 0.0701**, and the grayscale version is **30.3399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1451, 0.3672, 0.5050**, and **18.0390, 0.3492, 0.5609** is the 20% darker color. If you saturate the color by 10%, you get **40.1063, 0.3698, 0.5446**, and if you desaturate by 10%, it is **40.5943, 0.3724, 0.5359**.

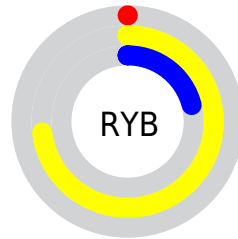
# Distribution



Red (52%)

Green (73%)

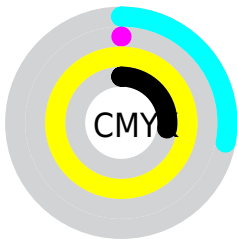
Blue (0%)



Red (0%)

Yellow (73%)

Blue (21%)

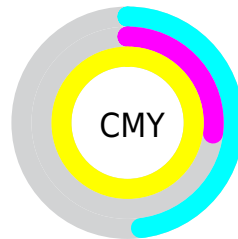


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (48%)

Magenta (27%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1044, 0.3698, 0.5446 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 40.1044, 0.3698, 0.5446 by changing the saturation by 10% instead.





 40.1044, 0.3698,  
0.5446


 40.1044, 0.3698,  
0.5446


346.5634, 0.3518,  
0.4339

 27.6200, 0.3690,  
0.5699


 75.3225, 0.3668,  
0.5054

 18.0394, 0.3646,  
0.5997


 98.8249, 0.3646,  
0.4902


 10.9783, 0.3576,  
0.6424


 126.7687, 0.3622,  
0.4772

 6.0522, 0.3280,  
0.6720

 159.5384, 0.3599,  
0.4661

 2.8769, 0.2820,  
0.7180

 197.5183, 0.3576,  
0.4564

 1.0678, 0.0445,  
0.9555

 241.0929, 0.3555,

 0.0000, 0.0000,

0.4480

0.0000

290.6464, 0.3536,  
0.4405

■ 40.1044, 0.3698,  
0.5446

■ 40.1044, 0.3698,  
0.5446

■ 40.1063, 0.3698,  
0.5446

■ 40.5943, 0.3724,  
0.5359

■ 41.1479, 0.3730,  
0.5232

■ 41.7835, 0.3710,  
0.5059

■ 42.5093, 0.3667,  
0.4845

■ 43.3323, 0.3602,  
0.4600

■ 44.2587, 0.3521,  
0.4337

■ 45.2942, 0.3429,  
0.4065

■ 46.4438, 0.3330,  
0.3796

■ 47.7123, 0.3228,  
0.3536

# Harmonies

## Analogous

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



40.1044, 0.4653, 0.4848



40.1044, 0.3698, 0.5446



40.1044, 0.2663, 0.5212

# Triad

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



40.1044, 0.3698, 0.5446



40.1044, 0.1305, 0.1959



40.1044, 0.4479, 0.2610

# Complementary

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



40.1044, 0.3698, 0.5446



4.3022, 0.1683, 0.0701

# 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.



40.1044, 0.3265, 0.2054



40.1044, 0.3698, 0.5446



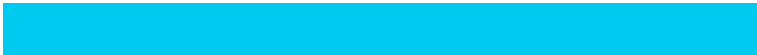
40.1044, 0.1582, 0.1680

# Square

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



40.1044, 0.3698, 0.5446



40.1044, 0.1361, 0.2696



40.1044, 0.2224, 0.1729



40.1044, 0.5280, 0.3295



# Rectangle

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



40.1044, 0.3698, 0.5446



40.1044, 0.2053, 0.4447



40.1044, 0.2224, 0.1729



40.1044, 0.4087, 0.2404

# Sweetspot

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



40.1063, 0.3698, 0.5446



81.9968, 0.3434, 0.4079



12.9586, 0.6002, 0.3616



17.8774, 0.3474, 0.4194



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.



40.1063, 0.3698, 0.5446



72.5631, 0.3690, 0.5452



35.5765, 0.3079, 0.5938



10.3713, 0.3221, 0.3519



27.0205, 0.3704, 0.5441



0.9822, 0.3836, 0.5336



# Inverse Universe

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



4.3022, 0.1683, 0.0701



7.6920, 0.1670, 0.0693



9.6291, 0.2666, 0.1242



8.8401, 0.3027, 0.3057



2.9277, 0.1695, 0.0707



0.1357, 0.1992, 0.0871



# Previews

## White Background



This preview shows how the Yxy color 40.1044, 0.3698, 0.5446 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 40.1044, 0.3698, 0.5446 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 40.1044, 0.3698, 0.5446**

## Background



This preview shows how black text looks on a background with the Yxy color 40.1044, 0.3698, 0.5446.



This preview shows how white text looks on a background with the Yxy color 40.1044, 0.3698, 0.5446.

# 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

40.1044, 0.3698, 0.5446

### Protanopia

39.8258, 0.4401, 0.4888

### Deuteranopia

39.7572, 0.4634, 0.4550



## Tritanopia

40.0543, 0.2831, 0.3092

# Trichromacy



## Original Color

40.1044, 0.3698, 0.5446

## Protanomaly

39.5967, 0.4134, 0.5099

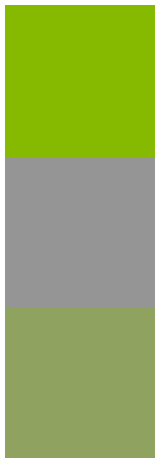
## Deuteranomaly

38.9977, 0.4299, 0.4889

## Tritanomaly

39.1020, 0.3298, 0.4194

# Monochromacy



## Original Color

40.1044, 0.3698, 0.5446

## Achromatopsia

30.0544, 0.3127, 0.3290

## Achromatomaly

32.5065, 0.3530, 0.4361

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.1044, 0.3698, 0.5446 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(133, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 186, 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(133, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 186, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 40.1044, 0.3698, 0.5446 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(133, 186, 0) }
```

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

```
.border{ border-color:rgb(133, 186, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 186,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.1044, 0.3698, 0.5446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 186, 0) }
```

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

```
.background{ background-color: rgb(133,  
186, 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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