

# Converting Colors

$Yxy(40.3993, 0.3382, 0.4353)$

Have a look what the booklet for  
Yxy(40.3993, 0.3382, 0.4353)  
contains.

<b>Yxy(40.3766, 0.3386, 0.4358)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(40.3766, 0.3386, 0.4358)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	93B56E
RGB	147, 181, 110
RGB Percent	58%, 71%, 43%
CMY	0.4236, 0.2902, 0.5685
CMYK	0.19, 0.00, 0.39, 0.29
HSL	89°, 32%, 57%
HSV	89°, 39%, 71%
XYZ	31.3711, 40.3766, 20.9017
YIQ	162.7400, 2.5270, -29.2890

# Conversions

## Conversions Part 2

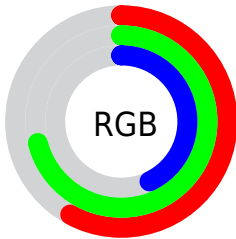
Format	Color
<b>RYB</b>	110, 181, 144
Decimal	9680238
CIELab	69.74, -24.01, 32.45
CIELCh	70, 40.369, 126.503
Yxy	40.3766, 0.3386, 0.4358
Android (android.graphics.Color)	4287870318 (0xFF93B56E)
YUV	162.7400, -26.0008, -13.8040
Hunter-Lab	63.5426, -23.0738, 24.9770

# Details

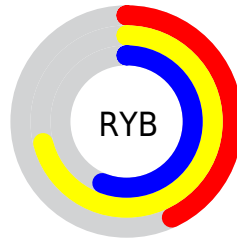
The Yxy color **40.3766, 0.3386, 0.4358** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **20.4300, 0.2759, 0.2216**, and the grayscale version is **36.6222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7336, 0.3352, 0.4150**, and **18.2082, 0.3430, 0.4703** is the 20% darker color. If you saturate the color by 10%, you get **39.2514, 0.3435, 0.4651**, and if you desaturate by 10%, it is **41.6464, 0.3327, 0.4066**.

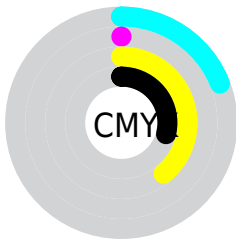
# Distribution



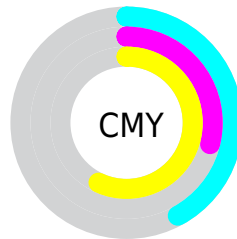
- Red (58%)
- Green (71%)
- Blue (43%)



- Red (43%)
- Yellow (71%)
- Blue (56%)



- Cyan (19%)
- Magenta (0%)
- Yellow (39%)
- Black (29%)




- Cyan (42%)
- Magenta (29%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3766, 0.3386, 0.4358 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 40.3766, 0.3386, 0.4358 by changing the saturation by 10% instead.





 40.3766, 0.3386,  
0.4358


 40.3766, 0.3386,  
0.4358


347.7083, 0.3271,  
0.3791

 27.8323, 0.3408,  
0.4509


 75.7366, 0.3349,  
0.4145


 18.1993, 0.3430,  
0.4707


 99.3212, 0.3333,  
0.4067

 11.0932, 0.3449,  
0.4977


 127.3546, 0.3320,  
0.4001

 6.1295, 0.3450,  
0.5360

 160.2212, 0.3308,  
0.3946

 2.9240, 0.3552,  
0.6213

198.3055, 0.3297,  
0.3899

 1.0922, 0.2864,  
0.7136

241.9919, 0.3287,

 0.0000, 0.0000,

0.3858

0.0000

291.6647, 0.3279,  
0.3822

■ 40.3766, 0.3386,  
0.4358

■ 40.3766, 0.3386,  
0.4358

■ 39.2514, 0.3435,  
0.4651

■ 41.6464, 0.3327,  
0.4066

■ 38.2592, 0.3468,  
0.4931

■ 43.0612, 0.3261,  
0.3783

■ 37.3949, 0.3483,  
0.5186


■ 44.6283, 0.3191,  
0.3517

■ 36.6509, 0.3475,  
0.5400


■ 46.3528, 0.3122,  
0.3271


■ 36.0184, 0.3446,  
0.5563

■ 48.2396, 0.3053,  
0.3047


 35.4823, 0.3399,  
0.5677

 50.2932, 0.2988,  
0.2844

 35.4426, 0.3396,  
0.5686

 52.5180, 0.2926,  
0.2663

 54.9184, 0.2867,  
0.2500

 56.2884, 0.2931,  
0.2513

# Harmonies

## Analogous

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



40.3766, 0.3918, 0.4279



40.3766, 0.3386, 0.4358



40.3766, 0.2812, 0.4060

# Triad

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



40.3766, 0.3386, 0.4358



40.3766, 0.2100, 0.2525



40.3766, 0.3941, 0.3044

# Complementary

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



40.3766, 0.3386, 0.4358



20.4300, 0.2759, 0.2216

# 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.



40.3766, 0.3375, 0.2666



40.3766, 0.3386, 0.4358



40.3766, 0.2335, 0.2368

# Square

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



40.3766, 0.3386, 0.4358



40.3766, 0.2102, 0.2914



40.3766, 0.2785, 0.2426



40.3766, 0.4273, 0.3493



# Rectangle

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



40.3766, 0.3386, 0.4358



40.3766, 0.2483, 0.3693



40.3766, 0.2785, 0.2426



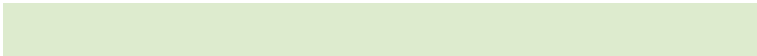
40.3766, 0.3768, 0.2906

# Sweetspot

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



40.3784, 0.3386, 0.4358



79.0548, 0.3212, 0.3595



30.6424, 0.3898, 0.3766



17.0083, 0.3221, 0.3628



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



40.3784, 0.3386, 0.4358



70.5665, 0.3428, 0.4610



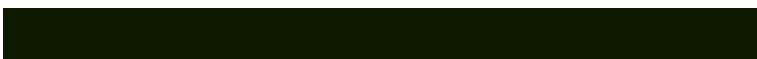
37.6474, 0.3090, 0.4462



9.7004, 0.3192, 0.3520



24.4735, 0.3404, 0.5679



0.8045, 0.3619, 0.5509



# Inverse Universe

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



20.4300, 0.2759, 0.2216



29.8442, 0.2653, 0.1962



24.0369, 0.3145, 0.2331



8.4233, 0.3057, 0.3060



3.7294, 0.1998, 0.0874



0.1521, 0.2319, 0.1051



# Previews

## White Background



This preview shows how the Yxy color 40.3766, 0.3386, 0.4358 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 40.3766, 0.3386, 0.4358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

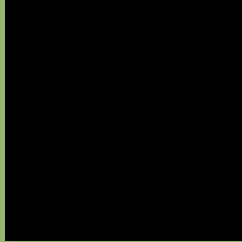
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.3766, 0.3386, 0.4358**

## Background



This preview shows how black text looks on a background with the Yxy color 40.3766, 0.3386, 0.4358.



This preview shows how white text looks on a background with the Yxy color 40.3766, 0.3386, 0.4358.

# 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

40.3766, 0.3386, 0.4358

### Protanopia

40.1043, 0.3832, 0.4155

### Deuteranopia

40.2467, 0.3992, 0.3915



## Tritanopia

40.3193, 0.2895, 0.3095

# Trichromacy



## Original Color

40.3766, 0.3386, 0.4358

## Protanomaly

39.9916, 0.3664, 0.4237

## Deuteranomaly

40.0090, 0.3752, 0.4070

## Tritanomaly

39.9986, 0.3081, 0.3538

# Monochromacy



## Original Color

40.3766, 0.3386, 0.4358

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

37.9312, 0.3228, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.3766, 0.3386, 0.4358 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, 181, 110)` looks like.

```
.text, #text, p{  
    color:rgb(147, 181, 110)  
}
```

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, 181, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 181, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 40.3766, 0.3386, 0.4358 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, 181, 110) }
```

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

```
.border{ border-color:rgb(147, 181, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 181, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 181, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 181, 110);  
box-shadow:4px 4px 4px 4px rgb(147, 181,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.3766, 0.3386, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 181, 110) }
```

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

```
.background{ background-color: rgb(147,  
181, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor