

# Converting Colors

$Yxy(38.8667, 0.3383, 0.4302)$

Have a look what the booklet for  
Yxy(38.8667, 0.3383, 0.4302)  
contains.

<b>Yxy(38.7030, 0.3381, 0.4298)</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(38.7030, 0.3381, 0.4298)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	92B16F
RGB	146, 177, 111
RGB Percent	57%, 69%, 44%
CMY	0.4274, 0.3059, 0.5648
CMYK	0.18, 0.00, 0.37, 0.31
HSL	88°, 30%, 56%
HSV	88°, 37%, 69%
XYZ	30.4455, 38.7030, 20.9003
YIQ	160.2070, 2.7100, -27.0980

# Conversions

## Conversions Part 2

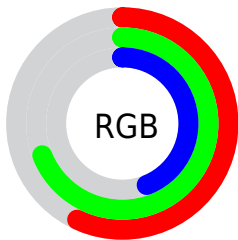
Format	Color
<a href="#">RYB</a>	<a href="#">111, 177, 142</a>
Decimal	<a href="#">9613679</a>
CIELab	<a href="#">68.54, -22.27, 30.38</a>
CIELCh	<a href="#">69, 37.668, 126.240</a>
Yxy	<a href="#">38.7030, 0.3381, 0.4298</a>
Android (android.graphics.Color)	<a href="#">4287803759 (0xFF92B16F)</a>
YUV	<a href="#">160.2070, -24.2591, -12.4595</a>
Hunter-Lab	<a href="#">62.2117, -21.5152, 23.6294</a>

# Details

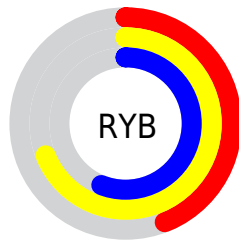
The Yxy color **38.7030, 0.3381, 0.4298** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **20.2899, 0.2775, 0.2273**, and the grayscale version is **35.3682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3397, 0.3346, 0.4101**, and **17.1428, 0.3428, 0.4629** is the 20% darker color. If you saturate the color by 10%, you get **37.6184, 0.3434, 0.4590**, and if you desaturate by 10%, it is **39.9236, 0.3318, 0.4008**.

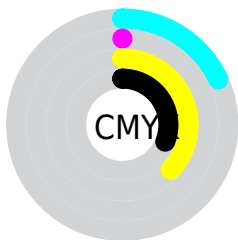
# Distribution



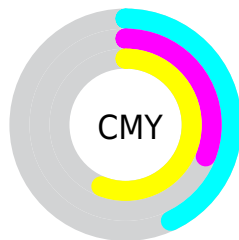
- Red (57%)
- Green (69%)
- Blue (44%)



- Red (44%)
- Yellow (69%)
- Blue (56%)



- Cyan (18%)
- Magenta (0%)
- Yellow (37%)
- Black (31%)




- Cyan (43%)
- Magenta (31%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7030, 0.3381, 0.4298 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 38.7030, 0.3381, 0.4298 by changing the saturation by 10% instead.





 38.7030, 0.3381,  
0.4298


 38.7030, 0.3381,  
0.4298


340.6261, 0.3265,  
0.3760


 26.5288, 0.3404,  
0.4442


 73.1844, 0.3343,  
0.4095

 17.2196, 0.3429,  
0.4633


 96.2603, 0.3327,  
0.4021

 10.3912, 0.3452,  
0.4895


 123.7389, 0.3314,  
0.3959

 5.6591, 0.3461,  
0.5272

 156.0046, 0.3302,  
0.3907

 2.6389, 0.3594,  
0.6149

193.4418, 0.3291,  
0.3862

 0.9463, 0.2726,  
0.7274

236.4348, 0.3282,

 0.0000, 0.0000,

0.3823

0.0000

285.3682, 0.3273,  
0.3790

■ 38.7030, 0.3381,  
0.4298

■ 38.7030, 0.3381,  
0.4298

■ 37.6184, 0.3434,  
0.4590

■ 39.9236, 0.3318,  
0.4008

■ 36.6590, 0.3472,  
0.4872

■ 41.2805, 0.3250,  
0.3730

■ 35.8203, 0.3492,  
0.5131


■ 42.7804, 0.3179,  
0.3468


■ 35.0951, 0.3490,  
0.5352


■ 44.4280, 0.3108,  
0.3227

■ 34.4756, 0.3467,  
0.5524

■ 46.2278, 0.3039,  
0.3007

 33.9506, 0.3423,  
0.5645

 48.1840, 0.2973,  
0.2808

 33.8198, 0.3410,  
0.5674

 50.3009, 0.2910,  
0.2630

 52.5822, 0.2852,  
0.2471

 54.0075, 0.2898,  
0.2464

# Harmonies

## Analogous

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



38.7030, 0.3884, 0.4227



38.7030, 0.3381, 0.4298



38.7030, 0.2835, 0.4019

# Triad

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



38.7030, 0.3381, 0.4298



38.7030, 0.2148, 0.2567



38.7030, 0.3893, 0.3054

# Complementary

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



38.7030, 0.3381, 0.4298



20.2899, 0.2775, 0.2273

# 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.



38.7030, 0.3358, 0.2694



38.7030, 0.3381, 0.4298



38.7030, 0.2371, 0.2413

# Square

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



38.7030, 0.3381, 0.4298



38.7030, 0.2153, 0.2941



38.7030, 0.2799, 0.2465



38.7030, 0.4210, 0.3483



# Rectangle

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



38.7030, 0.3381, 0.4298



38.7030, 0.2521, 0.3676



38.7030, 0.2799, 0.2465



38.7030, 0.3730, 0.2923

# Sweetspot

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



38.7047, 0.3381, 0.4298



75.5386, 0.3207, 0.3568



29.7799, 0.3850, 0.3742



16.2936, 0.3216, 0.3602



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



38.7047, 0.3381, 0.4298



67.6526, 0.3426, 0.4546



36.1163, 0.3093, 0.4393



9.7045, 0.3194, 0.3520



24.5389, 0.3418, 0.5668



0.8065, 0.3630, 0.5500



# Inverse Universe

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



20.2899, 0.2775, 0.2273



29.7457, 0.2671, 0.2020



23.6317, 0.3144, 0.2378



8.4192, 0.3056, 0.3060



3.6715, 0.1980, 0.0864



0.1503, 0.2303, 0.1042



# Previews

## White Background



This preview shows how the Yxy color 38.7030, 0.3381, 0.4298 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 38.7030, 0.3381, 0.4298 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

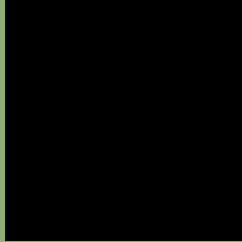
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.7030, 0.3381, 0.4298**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.7030, 0.3381, 0.4298.



This preview shows how white text looks on a background with the Yxy color 38.7030, 0.3381, 0.4298.

# 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

38.7030, 0.3381, 0.4298

### Protanopia

38.5227, 0.3799, 0.4119

### Deuteranopia

38.5215, 0.3948, 0.3878



## Tritanopia

38.4506, 0.2907, 0.3091

# Trichromacy



## Original Color

38.7030, 0.3381, 0.4298

## Protanomaly

38.5334, 0.3640, 0.4197

## Deuteranomaly

38.1906, 0.3732, 0.4016

## Tritanomaly

38.2015, 0.3081, 0.3512

# Monochromacy



## Original Color

38.7030, 0.3381, 0.4298

## Achromatopsia

35.1533, 0.3127, 0.3290

## Achromatomaly

36.1940, 0.3232, 0.3652

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.7030, 0.3381, 0.4298 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(146, 177, 111)` looks like.

```
.text, #text, p{  
    color:rgb(146, 177, 111)  
}
```

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(146, 177, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 177, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 38.7030, 0.3381, 0.4298 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(146, 177, 111) }
```

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

```
.border{ border-color:rgb(146, 177, 111) }
```

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

Here you see how a box with a 4 pixel rgb(146, 177, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 177, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 177, 111);  
box-shadow:4px 4px 4px 4px rgb(146, 177,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.7030, 0.3381, 0.4298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 177, 111) }
```

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

```
.background{ background-color: rgb(146,  
177, 111) }
```

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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