

# Converting Colors

$Yxy(37.9653, 0.3727, 0.4388)$

Have a look what the booklet for  
Yxy(37.9653, 0.3727, 0.4388)  
contains.

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# Color

**Yxy(38.0410, 0.3732, 0.4394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6AB5E
RGB	166, 171, 94
RGB Percent	65%, 67%, 37%
CMY	0.3490, 0.3294, 0.6315
CMYK	0.03, 0.00, 0.45, 0.33
HSL	64°, 31%, 52%
HSV	64°, 45%, 67%
XYZ	32.3097, 38.0410, 16.2241
YIQ	160.7270, 21.7370, -25.0070

# Conversions

## Conversions Part 2

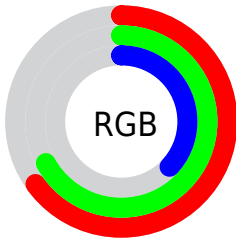
Format	Color
<a href="#">RYB</a>	<a href="#">94, 171, 99</a>
Decimal	<a href="#">10922846</a>
CIELab	<a href="#">68.05, -13.33, 38.88</a>
CIELCh	<a href="#">68, 41.107, 108.927</a>
Yxy	<a href="#">38.0410, 0.3732, 0.4394</a>
Android (android.graphics.Color)	<a href="#">4289112926 (0xFFA6AB5E)</a>
YUV	<a href="#">160.7270, -32.8964, 4.6244</a>
Hunter-Lab	<a href="#">61.6774, -14.4281, 27.5780</a>

# Details

The Yxy color  $38.0410, 0.3732, 0.4394$  is a dark color, and the websafe version is hex  $999933$ . A complement of this color would be  $13.5934, 0.2344, 0.1932$ , and the grayscale version is  $35.6558, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $71.9976, 0.3628, 0.4179$ , and  $16.8279, 0.3865, 0.4729$  is the 20% darker color. If you saturate the color by 10%, you get  $37.6497, 0.3845, 0.4611$ , and if you desaturate by 10%, it is  $38.5048, 0.3605, 0.4157$ .

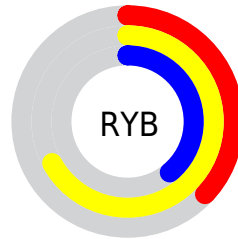
# Distribution



Red (65%)

Green (67%)

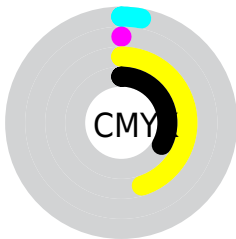
Blue (37%)



Red (37%)

Yellow (67%)

Blue (39%)

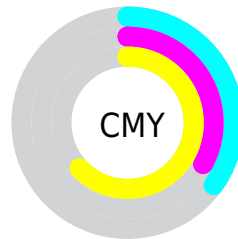


Cyan (3%)

Magenta (0%)

Yellow (45%)

Black (33%)



Cyan (35%)

Magenta (33%)


Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0410, 0.3732, 0.4394 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 38.0410, 0.3732, 0.4394 by changing the saturation by 10% instead.





 38.0410, 0.3732,  
0.4394


 38.0410, 0.3732,  
0.4394


337.7958, 0.3439,  
0.3819


 26.0145, 0.3797,  
0.4540


 72.1710, 0.3631,  
0.4182

 16.8345, 0.3873,  
0.4727


 95.0433, 0.3591,  
0.4103

 10.1166, 0.3959,  
0.4970


 122.2996, 0.3556,  
0.4036

 5.4763, 0.4053,  
0.5305

 154.3244, 0.3527,  
0.3980

 2.5293, 0.4167,  
0.5833

191.5020, 0.3501,  
0.3931

 0.8913, 0.3692,  
0.6308

234.2168, 0.3478,

 0.0000, 0.0000,

0.3889

0.0000

282.8533, 0.3458,  
0.3852

■ 38.0410, 0.3732,  
0.4394

■ 38.0410, 0.3732,  
0.4394

■ 37.6497, 0.3845,  
0.4611

■ 38.5048, 0.3605,  
0.4157

■ 37.3212, 0.3939,  
0.4797

■ 39.0400, 0.3470,  
0.3908

■ 37.0521, 0.4009,  
0.4946


■ 39.6522, 0.3332,  
0.3657


■ 36.8365, 0.4055,  
0.5053

■ 40.3449, 0.3195,  
0.3411


■ 36.6671, 0.4075,  
0.5118

■ 41.1214, 0.3062,  
0.3175

 36.5918, 0.4081,  
0.5142

 41.9848, 0.2936,  
0.2952

 42.9382, 0.2818,  
0.2746

 43.9843, 0.2709,  
0.2556

 45.1258, 0.2609,  
0.2383

# Harmonies

## Analogous

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



38.0410, 0.4185, 0.4127



38.0410, 0.3732, 0.4394



38.0410, 0.3142, 0.4323

# Triad

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



38.0410, 0.3732, 0.4394



38.0410, 0.2036, 0.2702



38.0410, 0.3643, 0.2792

# Complementary

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



38.0410, 0.3732, 0.4394



13.5934, 0.2344, 0.1932

# 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.



38.0410, 0.3014, 0.2479



38.0410, 0.3732, 0.4394



38.0410, 0.2136, 0.2401

# Square

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



38.0410, 0.3732, 0.4394



38.0410, 0.2185, 0.3232



38.0410, 0.2475, 0.2336



38.0410, 0.4155, 0.3220



# Rectangle

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



38.0410, 0.3732, 0.4394



38.0410, 0.2753, 0.4052



38.0410, 0.2475, 0.2336



38.0410, 0.3435, 0.2672

# Sweetspot

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



38.0427, 0.3732, 0.4394



71.1054, 0.3321, 0.3637



18.1698, 0.4274, 0.3352



15.8022, 0.3350, 0.3690



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



38.0427, 0.3732, 0.4394



67.4317, 0.3844, 0.4609



34.5738, 0.3363, 0.4545



9.3034, 0.3253, 0.3515



27.5925, 0.4082, 0.5141



0.7753, 0.4118, 0.5112



# Inverse Universe

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



13.5934, 0.2344, 0.1932



18.0821, 0.2141, 0.1591



16.2052, 0.2754, 0.2070



7.7811, 0.2995, 0.3056



2.2795, 0.1525, 0.0614



0.0713, 0.1635, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 38.0410, 0.3732, 0.4394 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 38.0410, 0.3732, 0.4394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

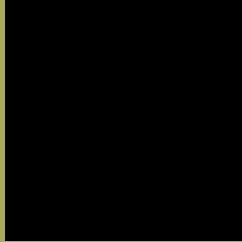
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.0410, 0.3732, 0.4394**

## Background



This preview shows how black text looks on a background with the Yxy color 38.0410, 0.3732, 0.4394.



This preview shows how white text looks on a background with the Yxy color 38.0410, 0.3732, 0.4394.

# 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

38.0410, 0.3732, 0.4394

### Protanopia

37.9902, 0.3940, 0.4294

### Deuteranopia

37.7343, 0.4147, 0.4067



## Tritanopia

38.0106, 0.3144, 0.3125

# Trichromacy



## Original Color

38.0410, 0.3732, 0.4394

## Protanomaly

38.0257, 0.3858, 0.4330

## Deuteranomaly

37.7303, 0.3988, 0.4186

## Tritanomaly

37.7253, 0.3372, 0.3576

# Monochromacy



## Original Color

38.0410, 0.3732, 0.4394

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

36.5029, 0.3356, 0.3704

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.0410, 0.3732, 0.4394 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(166, 171, 94)` looks like.

```
.text, #text, p{  
    color:rgb(166, 171, 94)  
}
```

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(166, 171, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 171, 94) }
```

## Border

The CSS property to change the border of an element to Yxy 38.0410, 0.3732, 0.4394 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(166, 171, 94) }
```

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

```
.border{ border-color:rgb(166, 171, 94) }
```

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

Here you see how a box with a 4 pixel rgb(166, 171, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 171, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 171, 94);  
box-shadow:4px 4px 4px 4px rgb(166, 171,  
94) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.0410, 0.3732, 0.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 171, 94) }
```

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

```
.background{ background-color: rgb(166,  
171, 94) }
```

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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