

# Converting Colors

$Yxy(40.2829, 0.3071, 0.3840)$

Have a look what the booklet for  
Yxy(40.2829, 0.3071, 0.3840)  
contains.

<b>Yxy(40.2316, 0.3068, 0.3837)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(40.2316, 0.3068, 0.3837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CB490
RGB	140, 180, 144
RGB Percent	55%, 71%, 56%
CMY	0.4510, 0.2941, 0.4353
CMYK	0.22, 0.00, 0.20, 0.29
HSL	126°, 21%, 63%
HSV	126°, 22%, 71%
XYZ	32.1685, 40.2316, 32.4516
YIQ	163.9360, -12.2840, -19.6760

# Conversions

## Conversions Part 2

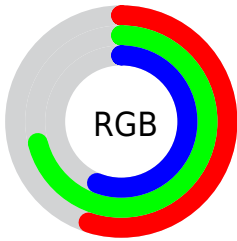
<b>Format</b>	<b>Color</b>
<b>RYB</b>	140, 176, 180
Decimal	9221264
CIELab	69.63, -20.67, 14.05
CIElCh	70, 24.992, 145.791
Yxy	40.2316, 0.3068, 0.3837
Android (android.graphics.Color)	4287411344 (0xFF8CB490)
YUV	163.9360, -9.8284, -20.9919
Hunter-Lab	63.4284, -20.4712, 14.0656

# Details

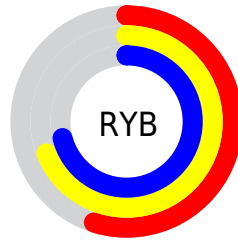
The Yxy color  $40.2316, 0.3068, 0.3837$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $31.5921, 0.3192, 0.2798$ , and the grayscale version is  $37.1439, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $75.5375, 0.3080, 0.3727$ , and  $18.1107, 0.3037, 0.4007$  is the 20% darker color. If you saturate the color by 10%, you get  $38.3352, 0.3041, 0.4130$ , and if you desaturate by 10%, it is  $42.4583, 0.3095, 0.3573$ .

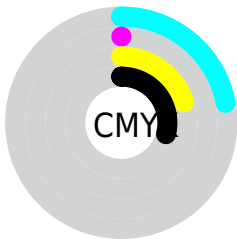
# Distribution



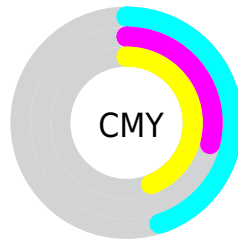
- Red (55%)
- Green (71%)
- Blue (56%)



- Red (55%)
- Yellow (69%)
- Blue (71%)



- Cyan (22%)
- Magenta (0%)
- Yellow (20%)
- Black (29%)




- Cyan (45%)
- Magenta (29%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2316, 0.3068, 0.3837 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 40.2316, 0.3068, 0.3837 by changing the saturation by 10% instead.





 40.2316, 0.3068,  
0.3837


 40.2316, 0.3068,  
0.3837


347.0988, 0.3103,  
0.3547

 27.7192, 0.3057,  
0.3915


 75.5161, 0.3082,  
0.3728

 18.1141, 0.3042,  
0.4018


 99.0569, 0.3087,  
0.3688

 11.0319, 0.3019,  
0.4163


 127.0426, 0.3091,  
0.3655

 6.0883, 0.2982,  
0.4377

159.8576, 0.3094,  
0.3627

 2.8989, 0.2912,  
0.4727

197.8864, 0.3097,  
0.3603

 1.0792, 0.2881,  
0.6106


241.5132, 0.3099,


 0.0000, 0.0000,


0.3582

0.0000

291.1225, 0.3101,  
0.3564


 40.2316, 0.3068,  
0.3837


 40.2316, 0.3068,  
0.3837


 38.3352, 0.3041,  
0.4130


 42.4583, 0.3095,  
0.3573


 36.7485, 0.3016,  
0.4445

 45.0246, 0.3121,  
0.3338


 35.4566, 0.2994,  
0.4773

 47.9458, 0.3146,  
0.3133

 34.4411, 0.2978,  
0.5096

 51.2346, 0.3170,  
0.2955

 33.6819, 0.2968,  
0.5394

 54.9032, 0.3191,  
0.2802

■ 33.1558, 0.2967,  
0.5645

■ 58.9633, 0.3211,  
0.2669

■ 32.8354, 0.2974,  
0.5832

■ 61.1254, 0.3162,  
0.2556

■ 32.6891, 0.2980,  
0.5929

# Harmonies

## Analogous

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



40.2316, 0.3432, 0.3950



40.2316, 0.3068, 0.3837



40.2316, 0.2733, 0.3547

# Triad

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



40.2316, 0.3068, 0.3837



40.2316, 0.2548, 0.2721



40.2316, 0.3783, 0.3333

# Complementary

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



40.2316, 0.3068, 0.3837



31.5921, 0.3192, 0.2798

# 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.



40.2316, 0.3519, 0.3043



40.2316, 0.3068, 0.3837



40.2316, 0.2800, 0.2700

# Square

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



40.2316, 0.3068, 0.3837



40.2316, 0.2446, 0.2891



40.2316, 0.3153, 0.2817



40.2316, 0.3858, 0.3629



# Rectangle

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



40.2316, 0.3068, 0.3837



40.2316, 0.2569, 0.3308



40.2316, 0.3153, 0.2817



40.2316, 0.3713, 0.3232

# Sweetspot

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



40.2333, 0.3068, 0.3837



79.2785, 0.3109, 0.3449



43.7693, 0.3420, 0.3842



17.0765, 0.3107, 0.3463



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.



40.2333, 0.3068, 0.3837



71.0728, 0.3054, 0.3987



40.9003, 0.2918, 0.3527



9.5034, 0.3103, 0.3501



22.8178, 0.2977, 0.5917



0.7224, 0.2892, 0.5610



# Inverse Universe

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



31.5921, 0.3192, 0.2798



52.4337, 0.3209, 0.2680



30.8575, 0.3398, 0.3065



8.6318, 0.3152, 0.3088



8.5986, 0.3474, 0.1687

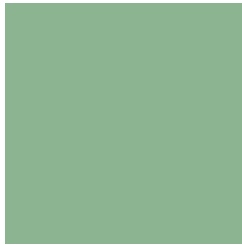


0.2747, 0.3391, 0.1642



# Previews

## White Background



This preview shows how the Yxy color 40.2316, 0.3068, 0.3837 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 40.2316, 0.3068, 0.3837 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 40.2316, 0.3068, 0.3837**

## Background



This preview shows how black text looks on a background with the Yxy color 40.2316, 0.3068, 0.3837.



This preview shows how white text looks on a background with the Yxy color 40.2316, 0.3068, 0.3837.

# 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

40.2316, 0.3068, 0.3837

### Protanopia

39.9433, 0.3496, 0.3707

### Deuteranopia

39.7703, 0.3577, 0.3503



## Tritanopia

40.1988, 0.2801, 0.3091

# Trichromacy



## Original Color

40.2316, 0.3068, 0.3837

## Protanomaly

39.8096, 0.3324, 0.3752

## Deuteranomaly

39.4499, 0.3374, 0.3614

## Tritanomaly

40.0490, 0.2896, 0.3348

# Monochromacy



## Original Color

40.2316, 0.3068, 0.3837

## Achromatopsia

37.1238, 0.3127, 0.3290

## Achromatomaly

38.1523, 0.3100, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2316, 0.3068, 0.3837 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(140, 180, 144)` looks like.

```
.text, #text, p{  
    color:rgb(140, 180, 144)  
}
```

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(140, 180, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 180, 144) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2316, 0.3068, 0.3837 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(140, 180, 144) }
```

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

```
.border{ border-color:rgb(140, 180, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 180, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 180, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 180, 144);  
box-shadow:4px 4px 4px 4px rgb(140, 180,  
144) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2316, 0.3068, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 180, 144) }
```

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

```
.background{ background-color: rgb(140,  
180, 144) }
```

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