

# Converting Colors

$Yxy(40.8094, 0.3282, 0.3350)$

Have a look what the booklet for  
Yxy(40.8094, 0.3282, 0.3350)  
contains.

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# Color

**Yxy(40.8800, 0.3281, 0.3358)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A9A4
RGB	181, 169, 164
RGB Percent	71%, 66%, 64%
CMY	0.2903, 0.3372, 0.3568
CMYK	0.00, 0.07, 0.09, 0.29
HSL	18°, 10%, 68%
HSV	18°, 9%, 71%
XYZ	39.9426, 40.8800, 40.9165
YIQ	172.0180, 8.7570, 0.9890

# Conversions

## Conversions Part 2

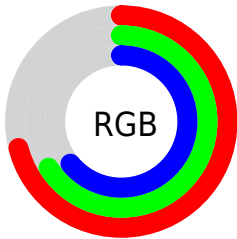
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 171, 164
Decimal	11905444
CIELab	70.09, 3.43, 4.11
CIELCh	70, 5.352, 50.145
Yxy	40.8800, 0.3281, 0.3358
Android (android.graphics.Color)	4290095524 (0xFFB5A9A4)
YUV	172.0180, -3.9529, 7.8772
Hunter-Lab	63.9375, -0.3792, 6.8138

# Details

The Yxy color **40.8800, 0.3281, 0.3358** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.2773, 0.2985, 0.3221**, and the grayscale version is **41.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4303, 0.3252, 0.3343**, and **18.4816, 0.3331, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **35.7501, 0.3475, 0.3435**, and if you desaturate by 10%, it is **46.5710, 0.3118, 0.3286**.

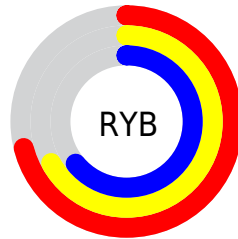
# Distribution



Red (71%)

Green (66%)

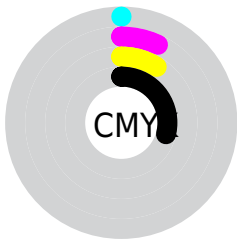
Blue (64%)



Red (71%)

Yellow (67%)

Blue (64%)

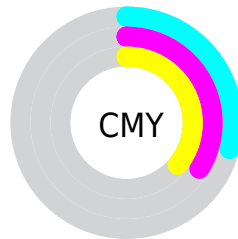


Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (29%)



Cyan (29%)

Magenta (34%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8800, 0.3281, 0.3358 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 40.8800, 0.3281, 0.3358 by changing the saturation by 10% instead.




 40.8800, 0.3281,  
0.3358


 40.8800, 0.3281,  
0.3358


349.8188, 0.3202,  
0.3324

 28.2253, 0.3301,  
0.3367


 76.5017, 0.3252,  
0.3345

 18.4956, 0.3328,  
0.3378


 100.2375, 0.3241,  
0.3341

 11.3064, 0.3364,  
0.3393


128.4358, 0.3232,  
0.3337

 6.2733, 0.3416,  
0.3414

161.4811, 0.3224,  
0.3333

 3.0120, 0.3497,  
0.3446

199.7576, 0.3218,  
0.3331

 1.1380, 0.3641,  
0.3501

243.6498, 0.3212,

 0.0102, 0.9019,

0.3328

0.0981

293.5421, 0.3207,  
0.3326

0.0000, 0.0000,  
0.0000

40.8800, 0.3281,  
0.3358

40.8800, 0.3281,  
0.3358

35.7501, 0.3475,  
0.3435

46.5710, 0.3118,  
0.3286

31.1587, 0.3704,  
0.3516

52.8340, 0.2980,  
0.3219

27.0896, 0.3972,  
0.3596

59.6866, 0.2864,  
0.3157

23.5237, 0.4280,  
0.3670

67.1439, 0.2766,  
0.3101

20.4406, 0.4625,  
0.3731

75.2203, 0.2682,  
0.3051

■ 17.8187, 0.4992,  
0.3768

■ 82.7434, 0.2695,  
0.3187

■ 15.6343, 0.5358,  
0.3768

■ 88.5613, 0.2706,  
0.3289

■ 13.8615, 0.5688,  
0.3725

■ 12.4659, 0.5957,  
0.3644

# Harmonies

## Analogous

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



40.8800, 0.3257, 0.3291



40.8800, 0.3281, 0.3358



40.8800, 0.3263, 0.3408

# Triad

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



40.8800, 0.3281, 0.3358



40.8800, 0.3056, 0.3356



40.8800, 0.3045, 0.3157

# Complementary

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



40.8800, 0.3281, 0.3358



42.2773, 0.2985, 0.3221

# 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.



40.8800, 0.2993, 0.3172



40.8800, 0.3281, 0.3358



40.8800, 0.2999, 0.3287

# Square

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



40.8800, 0.3281, 0.3358



40.8800, 0.3133, 0.3408



40.8800, 0.2976, 0.3219



40.8800, 0.3120, 0.3176



# Rectangle

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



40.8800, 0.3281, 0.3358



40.8800, 0.3230, 0.3424



40.8800, 0.2976, 0.3219



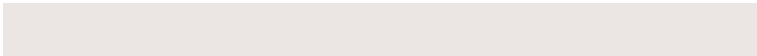
40.8800, 0.3024, 0.3158

# Sweetspot

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



40.8818, 0.3281, 0.3358



79.5605, 0.3175, 0.3312



39.5211, 0.3180, 0.3127



17.0181, 0.3187, 0.3317



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.



40.8818, 0.3281, 0.3358



71.4967, 0.3314, 0.3372



44.0675, 0.3269, 0.3468



8.8992, 0.3280, 0.3358



8.6495, 0.5951, 0.3657



0.3759, 0.5394, 0.4099



# Inverse Universe

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



42.2773, 0.2985, 0.3221



74.4434, 0.2957, 0.3207



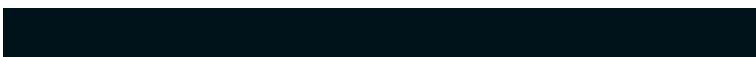
39.1229, 0.2984, 0.3105



9.2009, 0.2986, 0.3221



13.0238, 0.1977, 0.2317



0.5049, 0.2061, 0.2620



# Previews

## White Background



This preview shows how the Yxy color 40.8800, 0.3281, 0.3358 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 40.8800, 0.3281, 0.3358 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

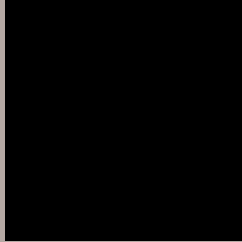
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

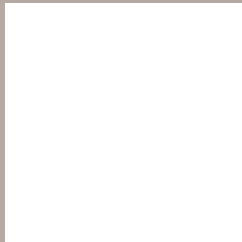
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.8800, 0.3281, 0.3358**

## Background



This preview shows how black text looks on a background with the Yxy color 40.8800, 0.3281, 0.3358.



This preview shows how white text looks on a background with the Yxy color 40.8800, 0.3281, 0.3358.

# 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

40.8800, 0.3281, 0.3358

### Protanopia

41.0725, 0.3224, 0.3372

### Deuteranopia

40.9362, 0.3363, 0.3304



## Tritanopia

41.0000, 0.3163, 0.3118

# Trichromacy



## Original Color

40.8800, 0.3281, 0.3358

## Protanomaly

40.9310, 0.3243, 0.3359

## Deuteranomaly

40.9188, 0.3332, 0.3317

## Tritanomaly

41.0063, 0.3204, 0.3210

# Monochromacy



## Original Color

40.8800, 0.3281, 0.3358

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.1044, 0.3180, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8800, 0.3281, 0.3358 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(181, 169, 164)` looks like.

```
.text, #text, p{  
    color:rgb(181, 169, 164)  
}
```

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(181, 169, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 169, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8800, 0.3281, 0.3358 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(181, 169, 164) }
```

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

```
.border{ border-color:rgb(181, 169, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 169, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 169, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 169, 164);  
box-shadow:4px 4px 4px 4px rgb(181, 169,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8800, 0.3281, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 169, 164) }
```

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

```
.background{ background-color: rgb(181,  
169, 164) }
```

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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