

# Converting Colors

$Yxy(39.8657, 0.3387, 0.3392)$

Have a look what the booklet for  
Yxy(39.8657, 0.3387, 0.3392)  
contains.

<b>Yxy(39.8180, 0.3390, 0.3385)</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(39.8180, 0.3390, 0.3385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAA59E
RGB	186, 165, 158
RGB Percent	73%, 65%, 62%
CMY	0.2706, 0.3529, 0.3804
CMYK	0.00, 0.11, 0.15, 0.27
HSL	15°, 17%, 67%
HSV	15°, 15%, 73%
XYZ	39.8768, 39.8180, 37.9359
YIQ	170.4810, 14.7630, 2.2750

# Conversions

## Conversions Part 2

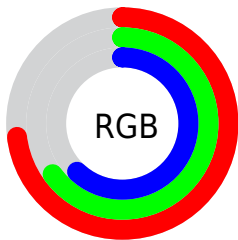
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 167, 158
Decimal	12232094
CIELab	69.34, 6.47, 6.41
CIELCh	69, 9.101, 44.730
Yxy	39.8180, 0.3390, 0.3385
Android (android.graphics.Color)	4290422174 (0xFFBAA59E)
YUV	170.4810, -6.1531, 13.6102
Hunter-Lab	63.1015, 2.3749, 8.5266

# Details

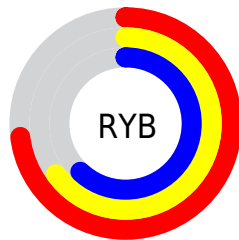
The Yxy color **39.8180, 0.3390, 0.3385** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.0579, 0.2899, 0.3193**, and the grayscale version is **40.4780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8677, 0.3335, 0.3364**, and **17.8583, 0.3474, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **34.4650, 0.3608, 0.3453**, and if you desaturate by 10%, it is **45.8206, 0.3208, 0.3321**.

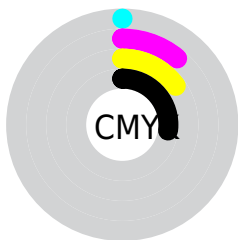
# Distribution



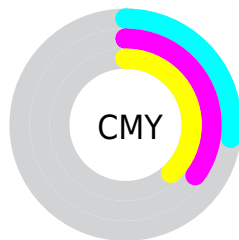
- Red (73%)
- Green (65%)
- Blue (62%)



- Red (73%)
- Yellow (65%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (15%)
- Black (27%)




- Cyan (27%)
- Magenta (35%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8180, 0.3390, 0.3385 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 39.8180, 0.3390, 0.3385 by changing the saturation by 10% instead.




 39.8180, 0.3390,  
0.3385


 39.8180, 0.3390,  
0.3385

345.3559, 0.3254,  
0.3338

 27.3967, 0.3425,  
0.3397


 74.8863, 0.3340,  
0.3368

 17.8714, 0.3471,  
0.3412


 98.3020, 0.3321,  
0.3361

 10.8577, 0.3534,  
0.3432


126.1514, 0.3306,  
0.3356

 5.9712, 0.3626,  
0.3460

158.8187, 0.3292,  
0.3351

 2.8276, 0.3769,  
0.3500

196.6884, 0.3281,  
0.3347

 1.0424, 0.4063,  
0.3597

240.1450, 0.3271,

 0.0000, 1.0000,

0.3344

0.0000

289.5726, 0.3262,  
0.3340

0.0000, 0.0000,  
0.0000

39.8180, 0.3390,  
0.3385

39.8180, 0.3390,  
0.3385

34.4650, 0.3608,  
0.3453

45.8206, 0.3208,  
0.3321

29.7344, 0.3867,  
0.3522

52.4884, 0.3055,  
0.3261

25.6049, 0.4170,  
0.3588

59.8429, 0.2928,  
0.3206

22.0519, 0.4516,  
0.3645

67.9032, 0.2820,  
0.3156

19.0489, 0.4896,  
0.3684

76.6876, 0.2730,  
0.3111

■ 16.5675, 0.5287,  
0.3693

■ 85.2366, 0.2725,  
0.3222

■ 14.5765, 0.5653,  
0.3665

■ 89.1790, 0.2731,  
0.3289

■ 13.0406, 0.5952,  
0.3595

■ 12.4304, 0.6078,  
0.3556

# Harmonies

## Analogous

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



39.8180, 0.3336, 0.3269



39.8180, 0.3390, 0.3385



39.8180, 0.3372, 0.3479

# Triad

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



39.8180, 0.3390, 0.3385



39.8180, 0.3027, 0.3424



39.8180, 0.2967, 0.3063

# Complementary

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



39.8180, 0.3390, 0.3385



43.0579, 0.2899, 0.3193

# 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.



39.8180, 0.2888, 0.3098



39.8180, 0.3390, 0.3385



39.8180, 0.2922, 0.3306

# Square

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



39.8180, 0.3390, 0.3385



39.8180, 0.3160, 0.3505



39.8180, 0.2871, 0.3186



39.8180, 0.3090, 0.3087



# Rectangle

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



39.8180, 0.3390, 0.3385



39.8180, 0.3321, 0.3516



39.8180, 0.2871, 0.3186



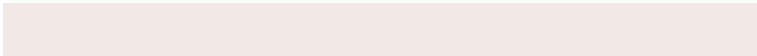
39.8180, 0.2934, 0.3068

# Sweetspot

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



39.8198, 0.3390, 0.3385



83.0132, 0.3208, 0.3321



38.1701, 0.3203, 0.3007



18.1031, 0.3220, 0.3325



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



39.8198, 0.3390, 0.3385



68.8952, 0.3457, 0.3407



44.9624, 0.3364, 0.3563



9.3671, 0.3282, 0.3348



8.4654, 0.6056, 0.3574



0.3997, 0.5542, 0.3982

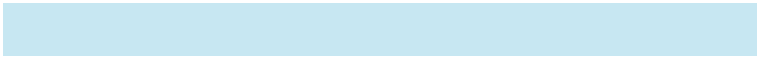


# Inverse Universe

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



43.0579, 0.2899, 0.3193



75.8699, 0.2850, 0.3170



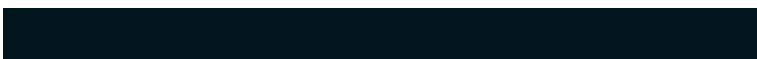
37.8970, 0.2892, 0.3002



9.8203, 0.2985, 0.3232



15.0339, 0.2020, 0.2472



0.6219, 0.2085, 0.2707



# Previews

## White Background



This preview shows how the Yxy color 39.8180, 0.3390, 0.3385 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 39.8180, 0.3390, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

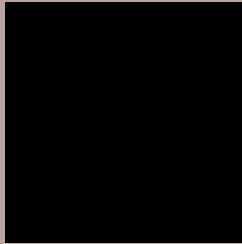
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.8180, 0.3390, 0.3385**

## Background



This preview shows how black text looks on a background with the Yxy color 39.8180, 0.3390, 0.3385.



This preview shows how white text looks on a background with the Yxy color 39.8180, 0.3390, 0.3385.

# 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

39.8180, 0.3390, 0.3385

### Protanopia

40.0280, 0.3260, 0.3415

### Deuteranopia

39.9667, 0.3431, 0.3371



## Tritanopia

39.6272, 0.3258, 0.3119

# Trichromacy



## Original Color

39.8180, 0.3390, 0.3385

## Protanomaly

40.0922, 0.3308, 0.3414

## Deuteranomaly

39.8384, 0.3421, 0.3371

## Tritanomaly

39.6238, 0.3302, 0.3211

# Monochromacy



## Original Color

39.8180, 0.3390, 0.3385

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.9885, 0.3218, 0.3318

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.8180, 0.3390, 0.3385 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(186, 165, 158)` looks like.

```
.text, #text, p{  
    color:rgb(186, 165, 158)  
}
```

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(186, 165, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 165, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8180, 0.3390, 0.3385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

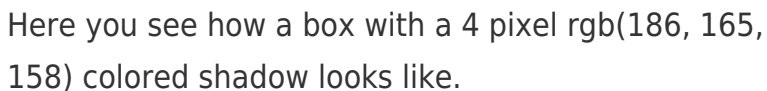
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 165, 158) }
```

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

```
.border{ border-color:rgb(186, 165, 158) }
```

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



Here you see how a box with a 4 pixel rgb(186, 165, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 165, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 165, 158);  
box-shadow:4px 4px 4px 4px rgb(186, 165,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8180, 0.3390, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 165, 158) }
```

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

```
.background{ background-color: rgb(186,  
165, 158) }
```

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