

# Converting Colors

$Y_{xy}(40.1339, 0.3616, 0.3879)$

Have a look what the booklet for  
Yxy(40.1339, 0.3616, 0.3879)  
contains.

<b>Yxy(40.2268, 0.3620, 0.3883)</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(40.2268, 0.3620, 0.3883)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6AA7F
RGB	182, 170, 127
RGB Percent	71%, 67%, 50%
CMY	0.2862, 0.3334, 0.5019
CMYK	0.00, 0.07, 0.30, 0.29
HSL	47°, 27%, 61%
HSV	47°, 30%, 71%
XYZ	37.5022, 40.2268, 25.8682
YIQ	168.6860, 20.9550, -10.8290

# Conversions

## Conversions Part 2

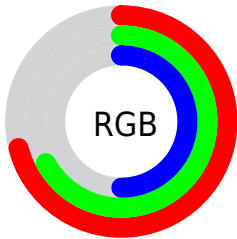
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 182, 127
Decimal	11971199
CIELab	69.63, -2.37, 23.77
CIELCh	70, 23.887, 95.697
Yxy	40.2268, 0.3620, 0.3883
Android (android.graphics.Color)	4290161279 (0xFFB6AA7F)
YUV	168.6860, -20.5512, 11.6764
Hunter-Lab	63.4246, -5.4482, 20.2153

# Details

The Yxy color **40.2268, 0.3620, 0.3883** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.3681, 0.2624, 0.2617**, and the grayscale version is **39.6112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4964, 0.3533, 0.3770**, and **18.0819, 0.3763, 0.4070** is the 20% darker color. If you saturate the color by 10%, you get **38.3259, 0.3799, 0.4080**, and if you desaturate by 10%, it is **42.2623, 0.3447, 0.3683**.

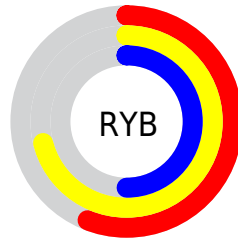
# Distribution



Red (71%)

Green (67%)

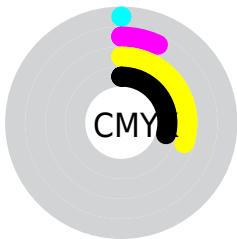
Blue (50%)



Red (56%)

Yellow (71%)

Blue (50%)

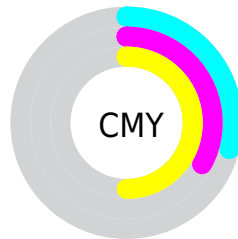


Cyan (0%)

Magenta (7%)

Yellow (30%)

Black (29%)



Cyan (29%)

Magenta (33%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2268, 0.3620, 0.3883 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 40.2268, 0.3620, 0.3883 by changing the saturation by 10% instead.





 40.2268, 0.3620,  
0.3883


 40.2268, 0.3620,  
0.3883


347.0786, 0.3370,  
0.3580

 27.7154, 0.3682,  
0.3960


 75.5088, 0.3529,  
0.3772

 18.1112, 0.3762,  
0.4059


 99.0481, 0.3495,  
0.3730

 11.0299, 0.3867,  
0.4191

 127.0323, 0.3466,  
0.3695

 6.0869, 0.4008,  
0.4373

159.8456, 0.3441,  
0.3665

 2.8980, 0.4219,  
0.4651

197.8725, 0.3420,  
0.3639

 1.0787, 0.4711,  
0.5289

241.4974, 0.3401,

 0.0000, 0.0000,

0.3617

0.0000

291.1046, 0.3385,  
0.3597

■ 40.2268, 0.3620,  
0.3883

■ 40.2268, 0.3620,  
0.3883

■ 38.3259, 0.3799,  
0.4080

■ 42.2623, 0.3447,  
0.3683

■ 36.5492, 0.3978,  
0.4264

■ 44.4316, 0.3283,  
0.3485

■ 34.8929, 0.4151,  
0.4427


■ 46.7409, 0.3130,  
0.3294


■ 33.3511, 0.4310,  
0.4558


■ 49.1943, 0.2991,  
0.3114

■ 31.9170, 0.4447,  
0.4648

■ 51.7957, 0.2863,  
0.2946


 30.5825, 0.4556,  
0.4692

 54.5489, 0.2749,  
0.2790

 29.3592, 0.4640,  
0.4697

 57.4575, 0.2645,  
0.2647

 59.3368, 0.2647,  
0.2688

 61.2275, 0.2652,  
0.2735

# Harmonies

## Analogous

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



40.2268, 0.3805, 0.3699



40.2268, 0.3620, 0.3883



40.2268, 0.3307, 0.3906

# Triad

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



40.2268, 0.3620, 0.3883



40.2268, 0.2498, 0.3091



40.2268, 0.3272, 0.2899

# Complementary

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



40.2268, 0.3620, 0.3883



26.3681, 0.2624, 0.2617

# 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.



40.2268, 0.2919, 0.2748



40.2268, 0.3620, 0.3883



40.2268, 0.2489, 0.2840

# Square

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



40.2268, 0.3620, 0.3883



40.2268, 0.2665, 0.3424



40.2268, 0.2638, 0.2723



40.2268, 0.3600, 0.3141



# Rectangle

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



40.2268, 0.3620, 0.3883



40.2268, 0.3073, 0.3812



40.2268, 0.2638, 0.2723



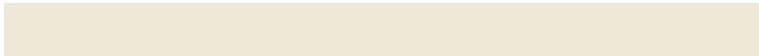
40.2268, 0.3152, 0.2836

# Sweetspot

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



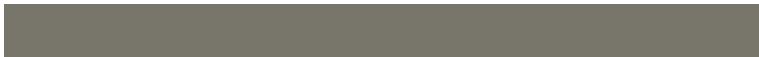
40.2286, 0.3620, 0.3883



80.9631, 0.3266, 0.3464



27.0179, 0.3636, 0.3108



17.7517, 0.3289, 0.3492



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



40.2286, 0.3620, 0.3883



70.6809, 0.3734, 0.4009



43.2547, 0.3440, 0.4068



10.1610, 0.3269, 0.3468



20.8268, 0.4634, 0.4702



0.8182, 0.4500, 0.4809



# Inverse Universe

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



26.3681, 0.2624, 0.2617



41.6949, 0.2504, 0.2447



24.2814, 0.2743, 0.2454



9.0295, 0.2984, 0.3106



3.5303, 0.1569, 0.0848



0.2173, 0.1705, 0.1339



# Previews

## White Background



This preview shows how the Yxy color 40.2268, 0.3620, 0.3883 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 40.2268, 0.3620, 0.3883 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

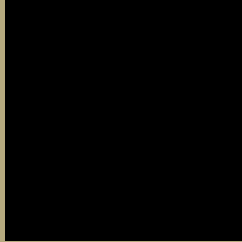
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

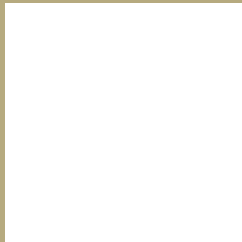
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 40.2268, 0.3620, 0.3883**

## Background



This preview shows how black text looks on a background with the Yxy color 40.2268, 0.3620, 0.3883.



This preview shows how white text looks on a background with the Yxy color 40.2268, 0.3620, 0.3883.

# 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

40.2268, 0.3620, 0.3883

### Protanopia

40.2268, 0.3620, 0.3883

### Deuteranopia

40.0323, 0.3820, 0.3747



## Tritanopia

40.0203, 0.3248, 0.3119

# Trichromacy



**Original Color**

40.2268, 0.3620, 0.3883

**Protanomaly**

40.2268, 0.3620, 0.3883

**Deuteranomaly**

40.1684, 0.3736, 0.3797

**Tritanomaly**

40.1802, 0.3388, 0.3398

# Monochromacy



**Original Color**

40.2268, 0.3620, 0.3883

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

39.7077, 0.3303, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.2268, 0.3620, 0.3883 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(182, 170, 127)` looks like.

```
.text, #text, p{  
    color:rgb(182, 170, 127)  
}
```

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(182, 170, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 170, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 40.2268, 0.3620, 0.3883 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(182, 170, 127) }
```

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

```
.border{ border-color:rgb(182, 170, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 170, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 170, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 170, 127);  
box-shadow:4px 4px 4px 4px rgb(182, 170,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.2268, 0.3620, 0.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 170, 127) }
```

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

```
.background{ background-color: rgb(182,  
170, 127) }
```

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