

# Converting Colors

$Yxy(37.3023, 0.3850, 0.4076)$

Have a look what the booklet for  
Yxy(37.3023, 0.3850, 0.4076)  
contains.

<b>Yxy(37.3023, 0.3850, 0.4076)</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(37.3023, 0.3850, 0.4076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7A36A
RGB	183, 163, 106
RGB Percent	72%, 64%, 42%
CMY	0.2822, 0.3608, 0.5843
CMYK	0.00, 0.11, 0.42, 0.28
HSL	44°, 35%, 57%
HSV	44°, 42%, 72%
XYZ	35.2340, 37.3023, 18.9806
YIQ	162.4820, 30.2170, -13.4870

# Conversions

## Conversions Part 2

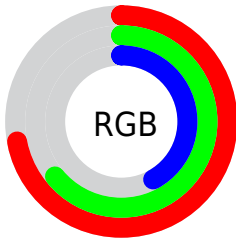
Format	Color
<a href="#">RYB</a>	<a href="#">133, 183, 106</a>
Decimal	<a href="#">12034922</a>
CIELab	<a href="#">67.50, -0.75, 32.25</a>
CIELCh	<a href="#">68, 32.256, 91.329</a>
Yxy	<a href="#">37.3023, 0.3850, 0.4076</a>
Android (android.graphics.Color)	<a href="#">4290225002 (0xFFB7A36A)</a>
YUV	<a href="#">162.4820, -27.8456, 17.9943</a>
Hunter-Lab	<a href="#">61.0756, -3.9071, 24.3272</a>

# Details

The Yxy color **37.3023, 0.3850, 0.4076** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.4207, 0.2409, 0.2349**, and the grayscale version is **36.4949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1367, 0.3715, 0.3933**, and **16.4729, 0.4046, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **35.3032, 0.4039, 0.4250**, and if you desaturate by 10%, it is **39.4498, 0.3663, 0.3889**.

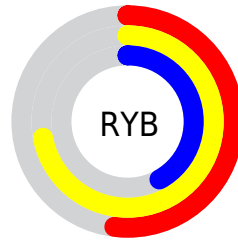
# Distribution



Red (72%)

Green (64%)

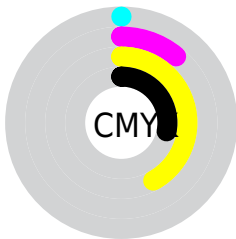
Blue (42%)



Red (52%)

Yellow (72%)

Blue (42%)

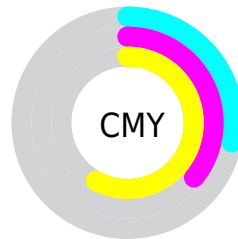


Cyan (0%)

Magenta (11%)

Yellow (42%)

Black (28%)



Cyan (28%)

Magenta (36%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3023, 0.3850, 0.4076 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 37.3023, 0.3850, 0.4076 by changing the saturation by 10% instead.





 37.3023, 0.3850,  
0.4076


 37.3023, 0.3850,  
0.4076


334.6175, 0.3483,  
0.3675

 25.4416, 0.3941,  
0.4175


 71.0375, 0.3717,  
0.3930

 16.4064, 0.4055,  
0.4301


 93.6808, 0.3666,  
0.3875

 9.8122, 0.4200,  
0.4463


 120.6871, 0.3624,  
0.3829

 5.2746, 0.4387,  
0.4671

 152.4408, 0.3587,  
0.3789

 2.4093, 0.4834,  
0.5166

189.3263, 0.3556,  
0.3755

 0.8307, 0.4815,  
0.5185

231.7280, 0.3528,

 0.0000, 0.0000,

0.3725

0.0000

280.0302, 0.3504,  
0.3699

■ 37.3023, 0.3850,  
0.4076

■ 37.3023, 0.3850,  
0.4076

■ 35.3032, 0.4039,  
0.4250

■ 39.4498, 0.3663,  
0.3889

■ 33.4415, 0.4223,  
0.4401

■ 41.7461, 0.3483,  
0.3698

■ 31.7124, 0.4393,  
0.4518

■ 44.1978, 0.3314,  
0.3509

■ 30.1084, 0.4542,  
0.4593

■ 46.8097, 0.3158,  
0.3327

■ 28.6209, 0.4663,  
0.4621

■ 49.5865, 0.3016,  
0.3154

■ 27.5129, 0.4742,  
0.4617

■ 52.5322, 0.2887,  
0.2993

■ 55.6510, 0.2771,  
0.2844

■ 58.9468, 0.2667,  
0.2706

■ 61.3675, 0.2658,  
0.2736

# Harmonies

## Analogous

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



37.3023, 0.4080, 0.3783



37.3023, 0.3850, 0.4076



37.3023, 0.3433, 0.4168

# Triad

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



37.3023, 0.3850, 0.4076



37.3023, 0.2293, 0.3064



37.3023, 0.3248, 0.2723

# Complementary

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



37.3023, 0.3850, 0.4076



21.4207, 0.2409, 0.2349

# 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.



37.3023, 0.2772, 0.2544



37.3023, 0.3850, 0.4076



37.3023, 0.2252, 0.2704

# Square

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



37.3023, 0.3850, 0.4076



37.3023, 0.2540, 0.3542



37.3023, 0.2419, 0.2530



37.3023, 0.3724, 0.3029



# Rectangle

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



37.3023, 0.3850, 0.4076



37.3023, 0.3112, 0.4070



37.3023, 0.2419, 0.2530



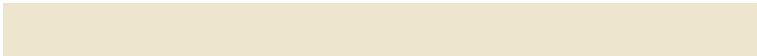
37.3023, 0.3082, 0.2647

# Sweetspot

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



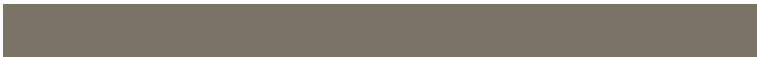
37.3040, 0.3850, 0.4076



78.6112, 0.3333, 0.3530



21.9023, 0.3901, 0.2998



17.1451, 0.3369, 0.3572



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.



37.3040, 0.3850, 0.4076



63.2826, 0.4035, 0.4246



42.9292, 0.3576, 0.4377



10.0971, 0.3270, 0.3458



19.3007, 0.4734, 0.4623



0.7748, 0.4566, 0.4756



# Inverse Universe

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



21.4207, 0.2409, 0.2349



30.9291, 0.2228, 0.2083



18.0141, 0.2526, 0.2067



9.0894, 0.2985, 0.3116



3.9352, 0.1592, 0.0930



0.2425, 0.1738, 0.1456



# Previews

## White Background



This preview shows how the Yxy color 37.3023, 0.3850, 0.4076 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 37.3023, 0.3850, 0.4076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

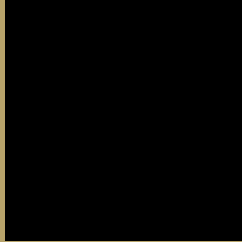
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.3023, 0.3850, 0.4076**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.3023, 0.3850, 0.4076.



This preview shows how white text looks on a background with the Yxy color 37.3023, 0.3850, 0.4076.

# 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

37.3023, 0.3850, 0.4076

### Protanopia

37.1962, 0.3794, 0.4088

### Deuteranopia

37.1812, 0.4031, 0.3944



## Tritanopia

37.0515, 0.3353, 0.3131

# Trichromacy



## Original Color

37.3023, 0.3850, 0.4076

## Protanomaly

37.3158, 0.3804, 0.4085

## Deuteranomaly

37.1953, 0.3967, 0.3983

## Tritanomaly

37.0628, 0.3541, 0.3469

# Monochromacy



## Original Color

37.3023, 0.3850, 0.4076

## Achromatopsia

36.1307, 0.3127, 0.3290

## Achromatomaly

36.3397, 0.3387, 0.3580

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.3023, 0.3850, 0.4076 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(183, 163, 106)` looks like.

```
.text, #text, p{  
    color:rgb(183, 163, 106)  
}
```

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(183, 163, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 163, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 37.3023, 0.3850, 0.4076 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(183, 163, 106) }
```

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

```
.border{ border-color:rgb(183, 163, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 163, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 163, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 163, 106);  
box-shadow:4px 4px 4px 4px rgb(183, 163,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.3023, 0.3850, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 163, 106) }
```

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

```
.background{ background-color: rgb(183,  
163, 106) }
```

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