

# Converting Colors

$Yxy(35.2875, 0.3793, 0.4055)$

Have a look what the booklet for  
Yxy(35.2875, 0.3793, 0.4055)  
contains.

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# Color

**Yxy(35.4123, 0.3792, 0.4060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0A06A
RGB	176, 160, 106
RGB Percent	69%, 63%, 42%
CMY	0.3099, 0.3725, 0.5842
CMYK	0.00, 0.09, 0.40, 0.31
HSL	46°, 31%, 55%
HSV	46°, 40%, 69%
XYZ	33.0747, 35.4123, 18.7354
YIQ	158.6280, 26.8700, -13.4020

# Conversions

## Conversions Part 2

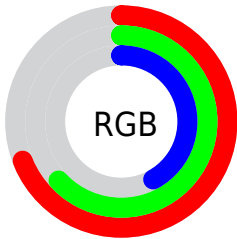
Format	Color
<a href="#">RYB</a>	<a href="#">127, 176, 106</a>
Decimal	<a href="#">11575402</a>
CIELab	<a href="#">66.07, -2.06, 30.26</a>
CIElCh	<a href="#">66, 30.326, 93.888</a>
Yxy	<a href="#">35.4123, 0.3792, 0.4060</a>
Android (android.graphics.Color)	<a href="#">4289765482</a> ( <a href="#">0xFFB0A06A</a> )
YUV	<a href="#">158.6280, -25.9456, 15.2352</a>
Hunter-Lab	<a href="#">59.5082, -4.9289, 22.9891</a>

# Details

The Yxy color **35.4123, 0.3792, 0.4060** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.1192, 0.2448, 0.2375**, and the grayscale version is **34.6046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3931, 0.3669, 0.3916**, and **15.3803, 0.3976, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **33.7136, 0.3973, 0.4243**, and if you desaturate by 10%, it is **37.2344, 0.3612, 0.3865**.

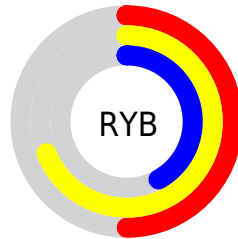
# Distribution



Red (69%)

Green (63%)

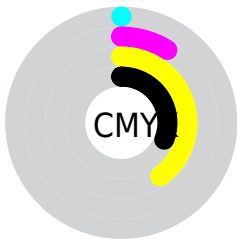
Blue (42%)



Red (50%)

Yellow (69%)

Blue (42%)

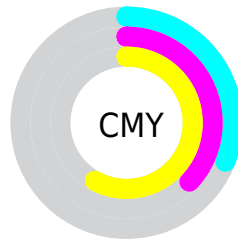


Cyan (0%)

Magenta (9%)

Yellow (40%)

Black (31%)



Cyan (31%)

Magenta (37%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4123, 0.3792, 0.4060 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 35.4123, 0.3792, 0.4060 by changing the saturation by 10% instead.





 35.4123, 0.3792,  
0.4060


 35.4123, 0.3792,  
0.4060


326.3845, 0.3451,  
0.3662

 23.9806, 0.3877,  
0.4161


 68.1240, 0.3667,  
0.3913

 15.3193, 0.3985,  
0.4291


 90.1728, 0.3621,  
0.3859

 9.0438, 0.4124,  
0.4461


 116.5295, 0.3581,  
0.3813

 4.7697, 0.4304,  
0.4686

 147.5784, 0.3548,  
0.3773

 2.1128, 0.4761,  
0.5239

183.7040, 0.3519,  
0.3740

 0.6718, 0.4669,  
0.5331

225.2906, 0.3493,

 0.0000, 0.0000,


0.3710


0.0000


272.7226, 0.3471,  
0.3684


 35.4123, 0.3792,  
0.4060


 35.4123, 0.3792,  
0.4060


 33.7136, 0.3973,  
0.4243


 37.2344, 0.3612,  
0.3865


 32.1285, 0.4149,  
0.4406

 39.1797, 0.3439,  
0.3668


 30.6529, 0.4312,  
0.4537

 41.2541, 0.3275,  
0.3473

 29.2805, 0.4454,  
0.4628

 43.4618, 0.3124,  
0.3285

 28.0042, 0.4569,  
0.4674

 45.8065, 0.2985,  
0.3108

■ 26.8093, 0.4660,  
0.4680

■ 48.2919, 0.2858,  
0.2943

■ 26.7800, 0.4662,  
0.4680

■ 50.9214, 0.2745,  
0.2790

■ 53.6985, 0.2642,  
0.2650

■ 56.0051, 0.2602,  
0.2614

# Harmonies

## Analogous

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



35.4123, 0.4030, 0.3794



35.4123, 0.3792, 0.4060



35.4123, 0.3383, 0.4123

# Triad

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



35.4123, 0.3792, 0.4060



35.4123, 0.2315, 0.3040



35.4123, 0.3285, 0.2767

# Complementary

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



35.4123, 0.3792, 0.4060



20.1192, 0.2448, 0.2375

# 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.



35.4123, 0.2823, 0.2582



35.4123, 0.3792, 0.4060



35.4123, 0.2293, 0.2708

# Square

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



35.4123, 0.3792, 0.4060



35.4123, 0.2538, 0.3492



35.4123, 0.2471, 0.2555



35.4123, 0.3732, 0.3070



# Rectangle

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



35.4123, 0.3792, 0.4060



35.4123, 0.3075, 0.4012



35.4123, 0.2471, 0.2555



35.4123, 0.3125, 0.2690

# Sweetspot

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



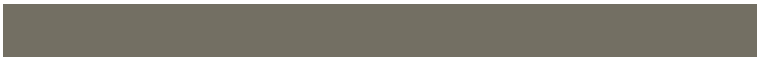
35.4139, 0.3792, 0.4060



73.8915, 0.3314, 0.3520



20.9559, 0.3870, 0.3050



15.9095, 0.3335, 0.3545



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



35.4139, 0.3792, 0.4060



61.4319, 0.3957, 0.4227



39.2854, 0.3530, 0.4321



9.5710, 0.3269, 0.3465



19.7449, 0.4656, 0.4685



0.7021, 0.4503, 0.4806



# Inverse Universe

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



20.1192, 0.2448, 0.2375



29.7270, 0.2277, 0.2120



17.7842, 0.2593, 0.2154



8.5346, 0.2985, 0.3109



3.4980, 0.1574, 0.0867



0.1988, 0.1723, 0.1403



# Previews

## White Background



This preview shows how the Yxy color 35.4123, 0.3792, 0.4060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

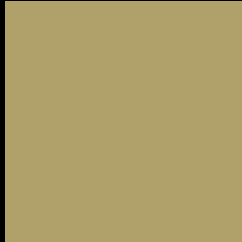
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.4123, 0.3792, 0.4060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

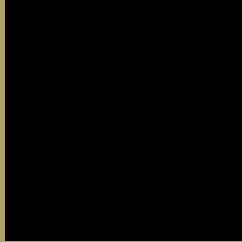
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.4123, 0.3792, 0.4060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.4123, 0.3792, 0.4060.



This preview shows how white text looks on a background with the Yxy color 35.4123, 0.3792, 0.4060.

# 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

35.4123, 0.3792, 0.4060

### Protanopia

35.5290, 0.3766, 0.4079

### Deuteranopia

35.5102, 0.3997, 0.3921



## Tritanopia

35.4442, 0.3305, 0.3126

# Trichromacy



## Original Color

35.4123, 0.3792, 0.4060

## Protanomaly

35.6443, 0.3777, 0.4076

## Deuteranomaly

35.4033, 0.3922, 0.3963

## Tritanomaly

35.4938, 0.3484, 0.3460

# Monochromacy



## Original Color

35.4123, 0.3792, 0.4060

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

34.6891, 0.3362, 0.3572

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  35.4123, 0.3792, 0.4060 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(176, 160, 106)` looks like.

```
.text, #text, p{  
    color:rgb(176, 160, 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(176, 160, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 160, 106) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4123, 0.3792, 0.4060 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(176, 160, 106) }
```

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

```
.border{ border-color:rgb(176, 160, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 160, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 160, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 160, 106);  
box-shadow:4px 4px 4px 4px rgb(176, 160,  
106) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4123, 0.3792, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 160, 106) }
```

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

```
.background{ background-color: rgb(176,  
160, 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](#).

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