

# Converting Colors

$Y_{xy}(42.4386, 0.3910, 0.4234)$

Have a look what the booklet for  
Yxy(42.4386, 0.3910, 0.4234)  
contains.

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# Color

**Yxy(42.4379, 0.3912, 0.4227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0AE66
RGB	192, 174, 102
RGB Percent	75%, 68%, 40%
CMY	0.2470, 0.3176, 0.6001
CMYK	0.00, 0.09, 0.47, 0.25
HSL	48°, 42%, 58%
HSV	48°, 47%, 75%
XYZ	39.2754, 42.4379, 18.6839
YIQ	171.1740, 33.8400, -18.5760

# Conversions

## Conversions Part 2

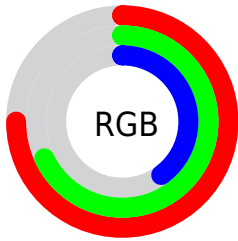
Format	Color
<a href="#">RYB</a>	<a href="#">125, 192, 102</a>
Decimal	<a href="#">12627558</a>
CIELab	<a href="#">71.17, -3.32, 39.16</a>
CIELCh	<a href="#">71, 39.298, 94.850</a>
Yxy	<a href="#">42.4379, 0.3912, 0.4227</a>
Android (android.graphics.Color)	<a href="#">4290817638 (0xFFC0AE66)</a>
YUV	<a href="#">171.1740, -34.1028, 18.2644</a>
Hunter-Lab	<a href="#">65.1444, -6.3854, 28.5962</a>

# Details

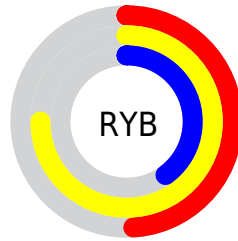
The Yxy color **42.4379, 0.3912, 0.4227** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.0613, 0.2300, 0.2126**, and the grayscale version is **40.9796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6957, 0.3780, 0.4059**, and **19.4945, 0.4110, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **40.6384, 0.4083, 0.4401**, and if you desaturate by 10%, it is **44.3721, 0.3736, 0.4033**.

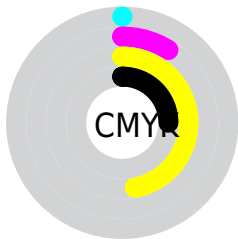
# Distribution



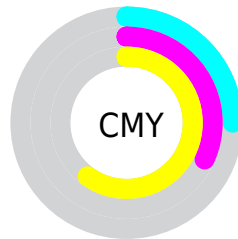
- Red (75%)
- Green (68%)
- Blue (40%)



- Red (49%)
- Yellow (75%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (47%)
- Black (25%)




- Cyan (25%)
- Magenta (32%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4379, 0.3912, 0.4227 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 42.4379, 0.3912, 0.4227 by changing the saturation by 10% instead.





 42.4379, 0.3912,  
0.4227

 42.4379, 0.3912,  
0.4227


356.2950, 0.3527,  
0.3760


 29.4443, 0.4001,  
0.4338


 78.8619, 0.3776,  
0.4060

 19.4172, 0.4110,  
0.4477


 103.0612, 0.3724,  
0.3996

 11.9721, 0.4242,  
0.4649


 131.7645, 0.3679,  
0.3942

 6.7247, 0.4399,  
0.4863

 165.3562, 0.3640,  
0.3895

 3.2905, 0.4716,  
0.5284

204.2207, 0.3607,  
0.3855

 1.2852, 0.4658,  
0.5342

248.7424, 0.3577,

 0.1297, 0.2454,

0.3819

0.7546

299.3057, 0.3551,  
0.3788

■ 0.0000, 0.0000,  
0.0000

■ 42.4379, 0.3912,  
0.4227

■ 42.4379, 0.3912,  
0.4227

■ 40.6384, 0.4083,  
0.4401

■ 44.3721, 0.3736,  
0.4033

■ 38.9611, 0.4241,  
0.4546

■ 46.4410, 0.3560,  
0.3830

■ 37.4006, 0.4380,  
0.4652


■ 48.6520, 0.3391,  
0.3625


■ 35.9485, 0.4492,  
0.4714


■ 51.0102, 0.3231,  
0.3424


■ 34.5934, 0.4575,  
0.4730

■ 53.5204, 0.3082,  
0.3231

 34.1858, 0.4599,  
0.4731

 56.1871, 0.2946,  
0.3050

 59.0146, 0.2822,  
0.2881

 61.9691, 0.2714,  
0.2732

 63.8273, 0.2718,  
0.2776

# Harmonies

## Analogous

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



42.4379, 0.4218, 0.3895



42.4379, 0.3912, 0.4227



42.4379, 0.3409, 0.4315

# Triad

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



42.4379, 0.3912, 0.4227



42.4379, 0.2149, 0.2959



42.4379, 0.3333, 0.2673

# Complementary

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



42.4379, 0.3912, 0.4227



20.0613, 0.2300, 0.2126

# 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.



42.4379, 0.2771, 0.2450



42.4379, 0.3912, 0.4227



42.4379, 0.2133, 0.2572

# Square

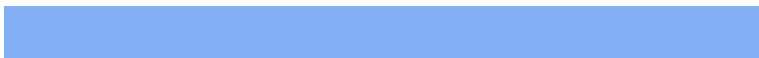
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.4379, 0.3912, 0.4227



42.4379, 0.2401, 0.3514



42.4379, 0.2348, 0.2406



42.4379, 0.3880, 0.3032



# Rectangle

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



42.4379, 0.3912, 0.4227



42.4379, 0.3036, 0.4177



42.4379, 0.2348, 0.2406



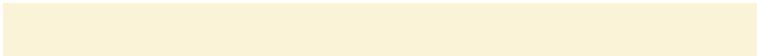
42.4379, 0.3138, 0.2581

# Sweetspot

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



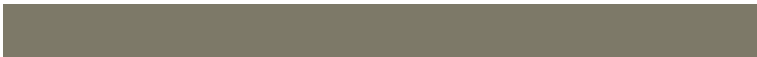
42.4399, 0.3912, 0.4227



89.2477, 0.3347, 0.3570



22.0989, 0.4106, 0.3027



18.9514, 0.3383, 0.3615



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



42.4399, 0.3912, 0.4227



73.6159, 0.4083, 0.4401



46.8292, 0.3581, 0.4522



11.4048, 0.3270, 0.3473



23.1095, 0.4593, 0.4735



1.0877, 0.4488, 0.4819



# Inverse Universe

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



20.0613, 0.2300, 0.2126



28.3745, 0.2110, 0.1828



17.8534, 0.2481, 0.1919



10.0672, 0.2983, 0.3100



3.6021, 0.1559, 0.0811



0.2547, 0.1673, 0.1222



# Previews

## White Background



This preview shows how the Yxy color 42.4379, 0.3912, 0.4227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

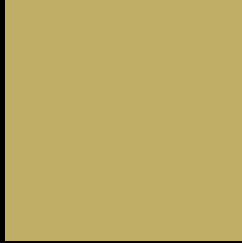
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.4379, 0.3912, 0.4227 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 42.4379, 0.3912, 0.4227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.4379, 0.3912, 0.4227.



This preview shows how white text looks on a background with the Yxy color 42.4379, 0.3912, 0.4227.

# 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

42.4379, 0.3912, 0.4227

### Protanopia

42.3078, 0.3902, 0.4230

### Deuteranopia

42.2690, 0.4141, 0.4044



## Tritanopia

42.4040, 0.3341, 0.3126

# Trichromacy



## Original Color

42.4379, 0.3912, 0.4227

## Protanomaly

42.3078, 0.3902, 0.4230

## Deuteranomaly

42.3343, 0.4062, 0.4112

## Tritanomaly

42.0776, 0.3564, 0.3526

# Monochromacy



## Original Color

42.4379, 0.3912, 0.4227

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.1641, 0.3416, 0.3649

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4379, 0.3912, 0.4227 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(192, 174, 102)` looks like.

```
.text, #text, p{  
    color:rgb(192, 174, 102)  
}
```

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(192, 174, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 174, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4379, 0.3912, 0.4227 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(192, 174, 102) }
```

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

```
.border{ border-color:rgb(192, 174, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 174, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 174, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 174, 102);  
box-shadow:4px 4px 4px 4px rgb(192, 174,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4379, 0.3912, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 174, 102) }
```

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

```
.background{ background-color: rgb(192,  
174, 102) }
```

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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