

# Converting Colors

Yxy(51.9548, 0.3797, 0.4475)

Have a look what the booklet for  
Yxy(51.9548, 0.3797, 0.4475)  
contains.

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**Color**

**Yxy(52.0786, 0.3792, 0.4483)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0C565
RGB	192, 197, 101
RGB Percent	75%, 77%, 40%
CMY	0.2471, 0.2274, 0.6040
CMYK	0.03, 0.00, 0.49, 0.23
HSL	63°, 45%, 58%
HSV	63°, 49%, 77%
XYZ	44.0513, 52.0786, 20.0392
YIQ	184.5610, 27.8360, -30.9160

# Conversions

## Conversions Part 2

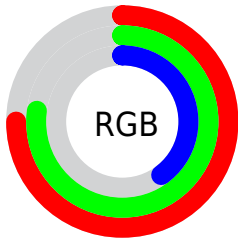
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 197, 106
Decimal	12633445
CIELab	77.33, -15.34, 47.15
CIELCh	77, 49.578, 108.018
Yxy	52.0786, 0.3792, 0.4483
Android (android.graphics.Color)	4290823525 (0xFFC0C565)
YUV	184.5610, -41.1956, 6.5240
Hunter-Lab	72.1655, -17.3295, 34.0520

# Details

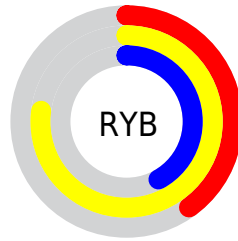
The Yxy color **52.0786, 0.3792, 0.4483** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.4017, 0.2248, 0.1783**, and the grayscale version is **48.4806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5407, 0.3691, 0.4279**, and **25.1095, 0.3919, 0.4788** is the 20% darker color. If you saturate the color by 10%, you get **51.6061, 0.3901, 0.4688**, and if you desaturate by 10%, it is **52.6493, 0.3667, 0.4253**.

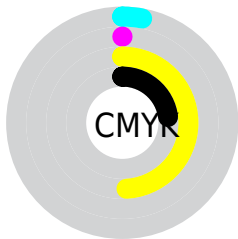
# Distribution



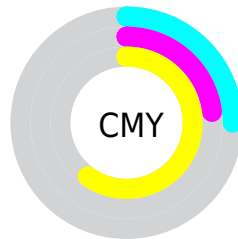
- Red (75%)
- Green (77%)
- Blue (40%)



- Red (40%)
- Yellow (77%)
- Blue (42%)



- Cyan (3%)
- Magenta (0%)
- Yellow (49%)
- Black (23%)




- Cyan (25%)
- Magenta (23%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0786, 0.3792, 0.4483 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 52.0786, 0.3792, 0.4483 by changing the saturation by 10% instead.





 52.0786, 0.3792,  
0.4483

 52.0786, 0.3792,  
0.4483


394.7400, 0.3491,  
0.3896

 37.0677, 0.3853,  
0.4621


 93.2471, 0.3692,  
0.4275


 25.2599, 0.3923,  
0.4791


 120.1736, 0.3652,  
0.4195

 16.2708, 0.3998,  
0.5003


 151.8407, 0.3617,  
0.4127

 9.7160, 0.4070,  
0.5267

 188.6329, 0.3585,  
0.4068

 5.2111, 0.4236,  
0.5764

230.9345, 0.3558,  
0.4016

 2.3716, 0.4038,  
0.5962

279.1300, 0.3533,

 0.8112, 0.3284,

0.3971

0.6716

333.6037, 0.3511,  
0.3931

0.0000, 0.0000,  
0.0000

52.0786, 0.3792,  
0.4483

52.0786, 0.3792,  
0.4483

51.6061, 0.3901,  
0.4688

52.6493, 0.3667,  
0.4253

51.2180, 0.3988,  
0.4858

53.3173, 0.3531,  
0.4006

50.9090, 0.4050,  
0.4987

54.0903, 0.3390,  
0.3754

50.6702, 0.4087,  
0.5073


54.9735, 0.3248,  
0.3503


50.4868, 0.4101,  
0.5120

55.9718, 0.3110,  
0.3260

 50.4650, 0.4102,  
0.5125

 57.0896, 0.2978,  
0.3030

 58.3313, 0.2854,  
0.2815

 59.4669, 0.2761,  
0.2653

 59.6093, 0.2768,  
0.2654

# Harmonies

## Analogous

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



52.0786, 0.4278, 0.4173



52.0786, 0.3792, 0.4483



52.0786, 0.3156, 0.4430

# Triad

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



52.0786, 0.3792, 0.4483



52.0786, 0.1955, 0.2663



52.0786, 0.3665, 0.2741

# Complementary

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



52.0786, 0.3792, 0.4483



16.4017, 0.2248, 0.1783

# 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.



52.0786, 0.2982, 0.2412



52.0786, 0.3792, 0.4483



52.0786, 0.2055, 0.2337

# Square

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



52.0786, 0.3792, 0.4483



52.0786, 0.2120, 0.3242



52.0786, 0.2407, 0.2264



52.0786, 0.4232, 0.3193



# Rectangle

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



52.0786, 0.3792, 0.4483



52.0786, 0.2735, 0.4142



52.0786, 0.2407, 0.2264



52.0786, 0.3437, 0.2614

# Sweetspot

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



52.0810, 0.3792, 0.4483



97.3996, 0.3340, 0.3665



23.0759, 0.4438, 0.3357



20.7774, 0.3370, 0.3719



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



52.0810, 0.3792, 0.4483



92.4072, 0.3902, 0.4691



46.8229, 0.3377, 0.4671



12.3877, 0.3257, 0.3519



33.2016, 0.4103, 0.5124



1.5809, 0.4123, 0.5108



# Inverse Universe

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



16.4017, 0.2248, 0.1783



21.3895, 0.2039, 0.1437



20.1875, 0.2708, 0.1951



10.3135, 0.2991, 0.3052



2.7066, 0.1519, 0.0610

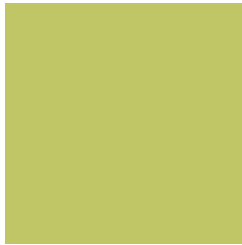


0.1376, 0.1584, 0.0646



# Previews

## White Background



This preview shows how the Yxy color 52.0786, 0.3792, 0.4483 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

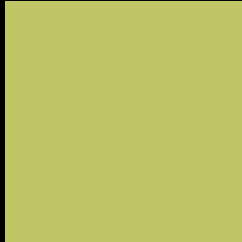
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0786, 0.3792, 0.4483 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 52.0786, 0.3792, 0.4483**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0786, 0.3792, 0.4483.



This preview shows how white text looks on a background with the Yxy color 52.0786, 0.3792, 0.4483.

# 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

52.0786, 0.3792, 0.4483

### Protanopia

52.0113, 0.4009, 0.4368

### Deuteranopia

51.7995, 0.4222, 0.4135



## Tritanopia

52.0314, 0.3152, 0.3110

# Trichromacy



## Original Color

52.0786, 0.3792, 0.4483

## Protanomaly

51.8974, 0.3928, 0.4405

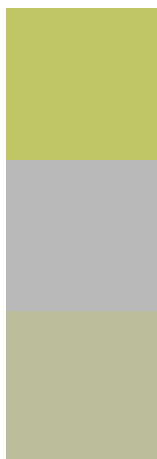
## Deuteranomaly

51.4456, 0.4063, 0.4250

## Tritanomaly

51.6856, 0.3399, 0.3603

# Monochromacy



## Original Color

52.0786, 0.3792, 0.4483

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.4197, 0.3393, 0.3746

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0786, 0.3792, 0.4483 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, 197, 101)` looks like.

```
.text, #text, p{  
    color:rgb(192, 197, 101)  
}
```

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, 197, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 197, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0786, 0.3792, 0.4483 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, 197, 101) }
```

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

```
.border{ border-color:rgb(192, 197, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 197, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(192, 197, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(192, 197, 101); box-shadow:4px 4px 4px 4px rgb(192, 197, 101) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0786, 0.3792, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 197, 101) }
```

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

```
.background{ background-color: rgb(192,  
197, 101) }
```

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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