

# Converting Colors

$Yxy(42.9986, 0.3587, 0.4050)$

Have a look what the booklet for  
Yxy(42.9986, 0.3587, 0.4050)  
contains.

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# Color

**Yxy(43.2540, 0.3591, 0.4057)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3B37B
RGB	179, 179, 123
RGB Percent	70%, 70%, 48%
CMY	0.2981, 0.2980, 0.5176
CMYK	0.00, 0.00, 0.31, 0.30
HSL	60°, 27%, 59%
HSV	60°, 31%, 70%
XYZ	38.2857, 43.2540, 25.0760
YIQ	172.6160, 17.9760, -17.4160

# Conversions

## Conversions Part 2

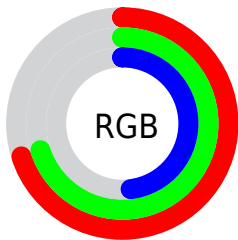
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 179, 123
Decimal	11776891
CIELab	71.73, -8.87, 28.66
CIELCh	72, 30.003, 107.197
Yxy	43.2540, 0.3591, 0.4057
Android (android.graphics.Color)	4289966971 (0xFFB3B37B)
YUV	172.6160, -24.4607, 5.5988
Hunter-Lab	65.7678, -11.1825, 23.4313

# Details

The Yxy color **43.2540, 0.3591, 0.4057** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **21.6391, 0.2581, 0.2388**, and the grayscale version is **41.7048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2134, 0.3506, 0.3917**, and **19.7627, 0.3714, 0.4287** is the 20% darker color. If you saturate the color by 10%, you get **42.8474, 0.3733, 0.4293**, and if you desaturate by 10%, it is **43.7465, 0.3442, 0.3811**.

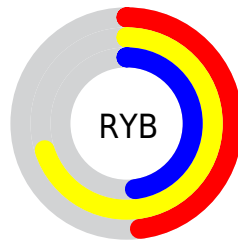
# Distribution



Red (70%)

Green (70%)

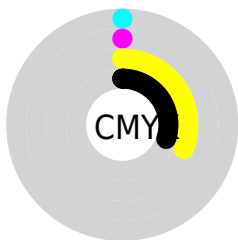
Blue (48%)



Red (48%)

Yellow (70%)

Blue (48%)

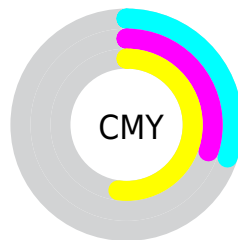


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (30%)



Cyan (30%)

Magenta (30%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2540, 0.3591, 0.4057 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 43.2540, 0.3591, 0.4057 by changing the saturation by 10% instead.




 43.2540, 0.3591,  
0.4057


 43.2540, 0.3591,  
0.4057


359.6553, 0.3363,  
0.3665


 30.0845, 0.3645,  
0.4156


 80.0940, 0.3510,  
0.3913

 19.9027, 0.3712,  
0.4284


 104.5333, 0.3479,  
0.3859

 12.3243, 0.3796,  
0.4453


 133.4979, 0.3453,  
0.3814

 6.9650, 0.3902,  
0.4686

167.3723, 0.3430,  
0.3775

 3.4402, 0.4053,  
0.5045

206.5408, 0.3410,  
0.3742

 1.3656, 0.4299,  
0.5701

251.3879, 0.3393,

 0.1912, 0.0000,

0.3713

1.0000

302.2979, 0.3377,  
0.3687

0.0000, 0.0000,  
0.0000

43.2540, 0.3591,  
0.4057

43.2540, 0.3591,  
0.4057

42.8474, 0.3733,  
0.4293

43.7465, 0.3442,  
0.3811

42.5163, 0.3864,  
0.4508

44.3232, 0.3292,  
0.3563

42.2578, 0.3977,  
0.4695


44.9898, 0.3145,  
0.3320

42.0665, 0.4068,  
0.4845

45.7500, 0.3005,  
0.3088

41.9361, 0.4133,  
0.4954

46.6073, 0.2873,  
0.2869


 41.8593, 0.4173,  
0.5020

 47.5647, 0.2750,  
0.2666

 41.8227, 0.4193,  
0.5053

 48.6256, 0.2637,  
0.2480

 49.0485, 0.2598,  
0.2415

 49.0489, 0.2598,  
0.2415

# Harmonies

## Analogous

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



43.2540, 0.3893, 0.3887



43.2540, 0.3591, 0.4057



43.2540, 0.3177, 0.4001

# Triad

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



43.2540, 0.3591, 0.4057



43.2540, 0.2339, 0.2906



43.2540, 0.3468, 0.2918

# Complementary

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



43.2540, 0.3591, 0.4057



21.6391, 0.2581, 0.2388

# 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.



43.2540, 0.3030, 0.2690



43.2540, 0.3591, 0.4057



43.2540, 0.2402, 0.2665

# Square

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



43.2540, 0.3591, 0.4057



43.2540, 0.2466, 0.3287



43.2540, 0.2646, 0.2596



43.2540, 0.3828, 0.3234



# Rectangle

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



43.2540, 0.3591, 0.4057



43.2540, 0.2896, 0.3827



43.2540, 0.2646, 0.2596



43.2540, 0.3323, 0.2829

# Sweetspot

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



43.2559, 0.3591, 0.4057



79.6164, 0.3261, 0.3511



25.1859, 0.3824, 0.3292



17.6027, 0.3282, 0.3546



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



43.2559, 0.3591, 0.4057



76.9125, 0.3697, 0.4232



40.2534, 0.3329, 0.4128



9.9066, 0.3263, 0.3515



29.5520, 0.4193, 0.5053



0.9299, 0.4193, 0.5053



# Inverse Universe

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



21.6391, 0.2581, 0.2388



31.6556, 0.2429, 0.2135



24.0064, 0.2862, 0.2455



8.2302, 0.2985, 0.3055



2.3001, 0.1500, 0.0600



0.0724, 0.1501, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 43.2540, 0.3591, 0.4057 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

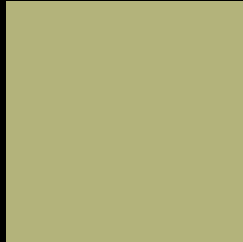
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.2540, 0.3591, 0.4057 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

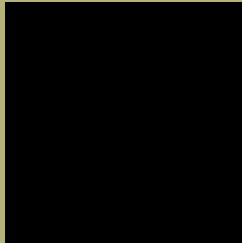
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

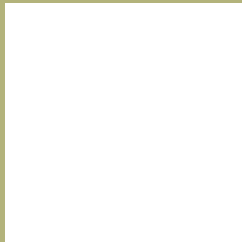
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 43.2540, 0.3591, 0.4057**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2540, 0.3591, 0.4057.



This preview shows how white text looks on a background with the Yxy color 43.2540, 0.3591, 0.4057.

# 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

43.2540, 0.3591, 0.4057

### Protanopia

43.4030, 0.3717, 0.4006

### Deuteranopia

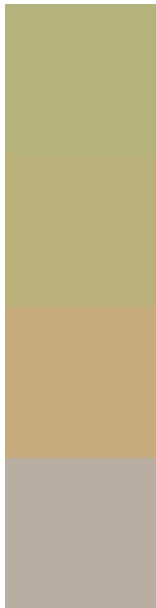
43.0412, 0.3913, 0.3828



## Tritanopia

43.1934, 0.3154, 0.3109

# Trichromacy



## Original Color

43.2540, 0.3591, 0.4057

## Protanomaly

43.2885, 0.3674, 0.4028

## Deuteranomaly

42.9661, 0.3796, 0.3913

## Tritanomaly

43.0711, 0.3319, 0.3451

# Monochromacy



## Original Color

43.2540, 0.3591, 0.4057

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

42.1405, 0.3294, 0.3566

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2540, 0.3591, 0.4057 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(179, 179, 123)` looks like.

```
.text, #text, p{  
    color:rgb(179, 179, 123)  
}
```

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(179, 179, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 179, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2540, 0.3591, 0.4057 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(179, 179, 123) }
```

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

```
.border{ border-color:rgb(179, 179, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 179, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 179, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 179, 123);  
box-shadow:4px 4px 4px 4px rgb(179, 179,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2540, 0.3591, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 179, 123) }
```

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

```
.background{ background-color: rgb(179,  
179, 123) }
```

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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