

# Converting Colors

$Y_{xy}(50.3793, 0.3435, 0.3794)$

Have a look what the booklet for  
Yxy(50.3793, 0.3435, 0.3794)  
contains.

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# Color

**Yxy(50.5723, 0.3439, 0.3805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFBF97
RGB	191, 191, 151
RGB Percent	75%, 75%, 59%
CMY	0.2509, 0.2510, 0.4078
CMYK	0.00, 0.00, 0.21, 0.25
HSL	60°, 24%, 67%
HSV	60°, 21%, 75%
XYZ	45.7078, 50.5723, 36.6300
YIQ	186.4400, 12.8400, -12.4400

# Conversions

## Conversions Part 2

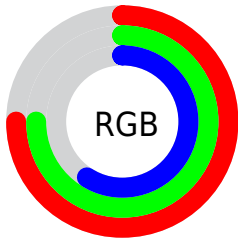
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 191, 151
Decimal	12566423
CIELab	76.42, -6.63, 20.24
CIELCh	76, 21.302, 108.129
Yxy	50.5723, 0.3439, 0.3805
Android (android.graphics.Color)	4290756503 (0xFFBFBF97)
YUV	186.4400, -17.4719, 3.9991
Hunter-Lab	71.1142, -9.7212, 19.2404

# Details

The Yxy color **50.5723, 0.3439, 0.3805** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.4860, 0.2780, 0.2717**, and the grayscale version is **49.4602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8858, 0.3390, 0.3713**, and **24.4154, 0.3515, 0.3954** is the 20% darker color. If you saturate the color by 10%, you get **49.9966, 0.3589, 0.4052**, and if you desaturate by 10%, it is **51.2531, 0.3288, 0.3556**.

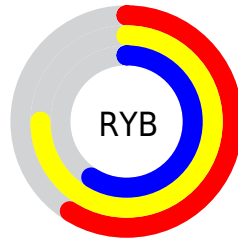
# Distribution



Red (75%)

Green (75%)

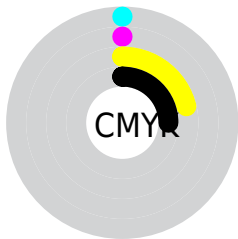
Blue (59%)



Red (59%)

Yellow (75%)

Blue (59%)

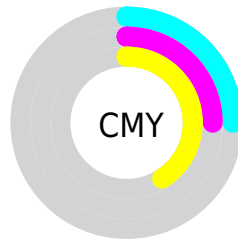


Cyan (0%)

Magenta (0%)

Yellow (21%)

Black (25%)



Cyan (25%)

Magenta (25%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5723, 0.3439, 0.3805 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 50.5723, 0.3439, 0.3805 by changing the saturation by 10% instead.





 50.5723, 0.3439,  
0.3805

 50.5723, 0.3439,  
0.3805


388.8998, 0.3288,  
0.3548

 35.8683, 0.3475,  
0.3869


 91.0222, 0.3385,  
0.3712

 24.3325, 0.3520,  
0.3950


 117.5370, 0.3365,  
0.3677

 15.5805, 0.3578,  
0.4057


148.7575, 0.3347,  
0.3647

 9.2278, 0.3655,  
0.4205

185.0682, 0.3332,  
0.3622

 4.8901, 0.3760,  
0.4420

226.8533, 0.3319,  
0.3600

 2.1829, 0.3950,  
0.4808

274.4974, 0.3307,

 0.7106, 0.4195,

0.3580

0.5805

328.3847, 0.3297,  
0.3563

0.0000, 0.0000,  
0.0000

50.5723, 0.3439,  
0.3805

50.5723, 0.3439,  
0.3805

49.9966, 0.3589,  
0.4052

51.2531, 0.3288,  
0.3556

49.5143, 0.3732,  
0.4289

52.0368, 0.3141,  
0.3313

49.1225, 0.3863,  
0.4506

52.9297, 0.3000,  
0.3080

48.8155, 0.3977,  
0.4694


53.9360, 0.2867,  
0.2861

48.5869, 0.4069,  
0.4844


55.0595, 0.2745,  
0.2658

 48.4294, 0.4135,  
0.4953


 55.6007, 0.2693,  
0.2573

 48.3342, 0.4175,  
0.5020

 55.6075, 0.2693,  
0.2573

 48.2868, 0.4195,  
0.5051

 55.6143, 0.2693,  
0.2574

 55.6210, 0.2693,  
0.2574

# Harmonies

## Analogous

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



50.5723, 0.3642, 0.3708



50.5723, 0.3439, 0.3805



50.5723, 0.3158, 0.3754

# Triad

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



50.5723, 0.3439, 0.3805



50.5723, 0.2583, 0.3031



50.5723, 0.3368, 0.3041

# Complementary

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



50.5723, 0.3439, 0.3805



32.4860, 0.2780, 0.2717

# 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.



50.5723, 0.3074, 0.2877



50.5723, 0.3439, 0.3805



50.5723, 0.2632, 0.2862

# Square

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



50.5723, 0.3439, 0.3805



50.5723, 0.2671, 0.3286



50.5723, 0.2807, 0.2811



50.5723, 0.3603, 0.3266



# Rectangle

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



50.5723, 0.3439, 0.3805



50.5723, 0.2967, 0.3636



50.5723, 0.2807, 0.2811



50.5723, 0.3272, 0.2977

# Sweetspot

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



50.5745, 0.3439, 0.3805



92.4214, 0.3216, 0.3437



35.4696, 0.3535, 0.3282



20.2747, 0.3226, 0.3453



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.



50.5745, 0.3439, 0.3805



90.0674, 0.3506, 0.3915



48.2433, 0.3272, 0.3834



11.1192, 0.3264, 0.3517



31.7233, 0.4195, 0.5051



1.2431, 0.4194, 0.5052



# Inverse Universe

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



32.4860, 0.2780, 0.2717



52.0490, 0.2696, 0.2577



34.4811, 0.2956, 0.2745



9.2266, 0.2984, 0.3053



2.4749, 0.1500, 0.0601



0.0974, 0.1501, 0.0603



# Previews

## White Background



This preview shows how the Yxy color 50.5723, 0.3439, 0.3805 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 50.5723, 0.3439, 0.3805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

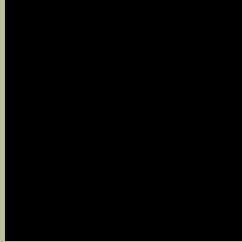
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

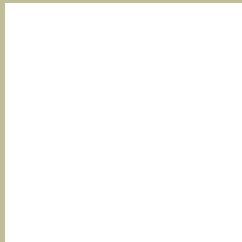
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.5723, 0.3439, 0.3805**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5723, 0.3439, 0.3805.



This preview shows how white text looks on a background with the Yxy color 50.5723, 0.3439, 0.3805.

# 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

50.5723, 0.3439, 0.3805

### Protanopia

50.4478, 0.3534, 0.3769

### Deuteranopia

50.4077, 0.3703, 0.3625



## Tritanopia

50.2748, 0.3119, 0.3107

# Trichromacy



## Original Color

50.5723, 0.3439, 0.3805

## Protanomaly

50.4675, 0.3505, 0.3785

## Deuteranomaly

50.5202, 0.3608, 0.3696

## Tritanomaly

50.5201, 0.3233, 0.3353

# Monochromacy



## Original Color

50.5723, 0.3439, 0.3805

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.6749, 0.3244, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5723, 0.3439, 0.3805 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(191, 191, 151)` looks like.

```
.text, #text, p{  
    color:rgb(191, 191, 151)  
}
```

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(191, 191, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 191, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5723, 0.3439, 0.3805 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(191, 191, 151) }
```

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

```
.border{ border-color:rgb(191, 191, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 191, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 191, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 191, 151);  
box-shadow:4px 4px 4px 4px rgb(191, 191,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5723, 0.3439, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 191, 151) }
```

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

```
.background{ background-color: rgb(191,  
191, 151) }
```

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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