

# Converting Colors

Yxy(51.7471, 0.3760, 0.4089)

Have a look what the booklet for  
Yxy(51.7471, 0.3760, 0.4089)  
contains.

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# **Color**

**Yxy(51.7471, 0.3760, 0.4089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDBF7E
RGB	205, 191, 126
RGB Percent	80%, 75%, 49%
CMY	0.1959, 0.2510, 0.5058
CMYK	0.00, 0.07, 0.39, 0.20
HSL	49°, 44%, 65%
HSV	49°, 39%, 80%
XYZ	47.5835, 51.7471, 27.2213
YIQ	187.7760, 29.2090, -17.2470

# Conversions

## Conversions Part 2

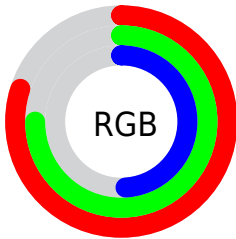
Format	Color
<b>RYB</b>	143, 205, 126
Decimal	13483902
CIELab	77.13, -4.40, 34.57
CIELCh	77, 34.854, 97.256
Yxy	51.7471, 0.3760, 0.4089
Android (android.graphics.Color)	4291673982 (0xFFCDBF7E)
YUV	187.7760, -30.4556, 15.1054
Hunter-Lab	71.9355, -7.8137, 27.9187

# Details

The Yxy color **51.7471, 0.3760, 0.4089** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.6220, 0.2454, 0.2336**, and the grayscale version is **50.3239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0362, 0.3600, 0.3966**, and **25.0883, 0.3905, 0.4299** is the 20% darker color. If you saturate the color by 10%, you get **49.7024, 0.3932, 0.4285**, and if you desaturate by 10%, it is **53.9447, 0.3587, 0.3881**.

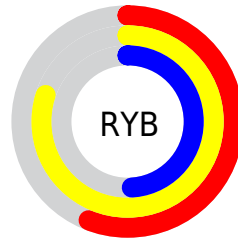
# Distribution



Red (80%)

Green (75%)

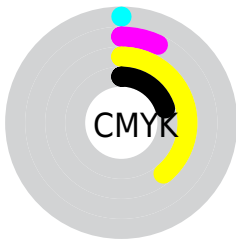
Blue (49%)



Red (56%)

Yellow (80%)

Blue (49%)

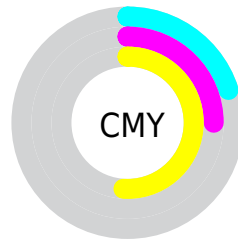


Cyan (0%)

Magenta (7%)

Yellow (39%)

Black (20%)



Cyan (20%)

Magenta (25%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7471, 0.3760, 0.4089 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 51.7471, 0.3760, 0.4089 by changing the saturation by 10% instead.



 51.7471, 0.3760,  
0.4089

 51.7471, 0.3760,  
0.4089


393.4595, 0.3457,  
0.3699

 36.8035, 0.3830,  
0.4181


 92.7582, 0.3654,  
0.3950

 25.0554, 0.3915,  
0.4297


 119.5944, 0.3613,  
0.3897

 16.1183, 0.4021,  
0.4442


 151.1637, 0.3578,  
0.3852

 9.6079, 0.4153,  
0.4631

187.8505, 0.3547,  
0.3813

 5.1398, 0.4314,  
0.4877

230.0390, 0.3520,  
0.3779

 2.3295, 0.4639,  
0.5361

278.1138, 0.3497,

 0.7893, 0.4488,

0.3749

0.5512

332.4591, 0.3476,  
0.3723

0.0000, 0.0000,  
0.0000

51.7471, 0.3760,  
0.4089

51.7471, 0.3760,  
0.4089

49.7024, 0.3932,  
0.4285

53.9447, 0.3587,  
0.3881

47.7964, 0.4095,  
0.4458

56.2944, 0.3418,  
0.3670

46.0239, 0.4244,  
0.4600

58.8045, 0.3257,  
0.3462

44.3761, 0.4370,  
0.4701

61.4806, 0.3106,  
0.3262

42.8429, 0.4468,  
0.4756

64.3279, 0.2967,  
0.3072

■ 41.4086, 0.4540,  
0.4769

■ 67.3513, 0.2840,  
0.2896

■ 41.2050, 0.4549,  
0.4770

■ 69.5834, 0.2807,  
0.2876

■ 71.4788, 0.2810,  
0.2916

■ 73.4160, 0.2812,  
0.2956

# Harmonies

## Analogous

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



51.7471, 0.4026, 0.3837



51.7471, 0.3760, 0.4089



51.7471, 0.3334, 0.4124

# Triad

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



51.7471, 0.3760, 0.4089



51.7471, 0.2293, 0.2991



51.7471, 0.3341, 0.2790

# Complementary

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



51.7471, 0.3760, 0.4089



27.6220, 0.2454, 0.2336

# 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.



51.7471, 0.2868, 0.2588



51.7471, 0.3760, 0.4089



51.7471, 0.2294, 0.2674

# Square

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



51.7471, 0.3760, 0.4089



51.7471, 0.2496, 0.3441



51.7471, 0.2495, 0.2540



51.7471, 0.3783, 0.3106



# Rectangle

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



51.7471, 0.3760, 0.4089



51.7471, 0.3021, 0.3991



51.7471, 0.2495, 0.2540



51.7471, 0.3179, 0.2708

# Sweetspot

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



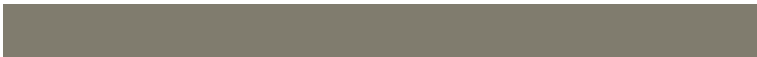
51.7495, 0.3760, 0.4089



94.7601, 0.3314, 0.3536



29.8181, 0.3897, 0.3105



20.1657, 0.3335, 0.3564



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.



51.7495, 0.3760, 0.4089



82.0102, 0.3898, 0.4248



54.8972, 0.3490, 0.4311



12.7440, 0.3270, 0.3479



25.7645, 0.4543, 0.4775



1.4203, 0.4463, 0.4838



# Inverse Universe

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



27.6220, 0.2454, 0.2336



37.2438, 0.2296, 0.2096



25.9170, 0.2642, 0.2190



11.1613, 0.2982, 0.3094



3.6464, 0.1548, 0.0772

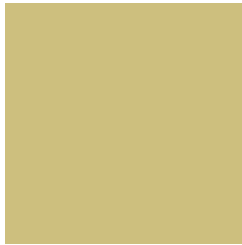


0.2892, 0.1642, 0.1110



# Previews

## White Background



This preview shows how the Yxy color 51.7471, 0.3760, 0.4089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

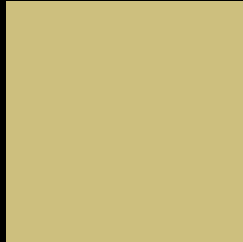
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.7471, 0.3760, 0.4089 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

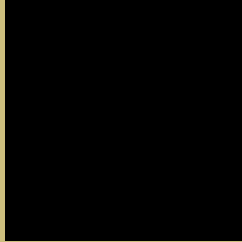
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.7471, 0.3760, 0.4089**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7471, 0.3760, 0.4089.



This preview shows how white text looks on a background with the Yxy color 51.7471, 0.3760, 0.4089.

# 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

51.7471, 0.3760, 0.4089

### Protanopia

51.5987, 0.3782, 0.4073

### Deuteranopia

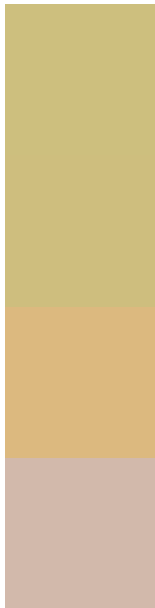
51.5084, 0.3995, 0.3910



## Tritanopia

51.5876, 0.3280, 0.3126

# Trichromacy



## Original Color

51.7471, 0.3760, 0.4089

## Protanomaly

51.4551, 0.3773, 0.4076

## Deuteranomaly

51.4459, 0.3915, 0.3973

## Tritanomaly

51.3398, 0.3456, 0.3461

# Monochromacy



## Original Color

51.7471, 0.3760, 0.4089

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.5811, 0.3358, 0.3595

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7471, 0.3760, 0.4089 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(205, 191, 126)` looks like.

```
.text, #text, p{  
    color:rgb(205, 191, 126)  
}
```

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(205, 191, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 191, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7471, 0.3760, 0.4089 is called "border". The border property can be set on classes, ids or directly on the HTML element.

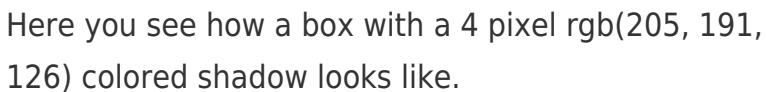
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 191, 126) }
```

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

```
.border{ border-color:rgb(205, 191, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 191, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 191, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 191, 126); box-shadow:4px 4px 4px 4px rgb(205, 191, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7471, 0.3760, 0.4089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 191, 126) }
```

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

```
.background{ background-color: rgb(205,  
191, 126) }
```

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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