

# Converting Colors

Yxy(59.5392, 0.3808, 0.4130)

Have a look what the booklet for  
Yxy(59.5392, 0.3808, 0.4130)  
contains.

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# Color

**Yxy(59.5392, 0.3808, 0.4130)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCCB82
RGB	220, 203, 130
RGB Percent	86%, 80%, 51%
CMY	0.1373, 0.2039, 0.4901
CMYK	0.00, 0.08, 0.41, 0.14
HSL	49°, 56%, 69%
HSV	49°, 41%, 86%
XYZ	54.8972, 59.5392, 29.7264
YIQ	199.7610, 33.5650, -19.0990

# Conversions

## Conversions Part 2

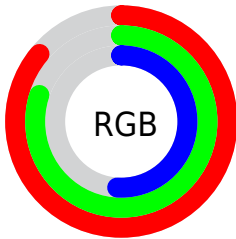
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 220, 130
Decimal	14470018
CIELab	81.59, -4.24, 38.51
CIELCh	82, 38.741, 96.279
Yxy	59.5392, 0.3808, 0.4130
Android (android.graphics.Color)	4292660098 (0xFFDCCB82)
YUV	199.7610, -34.3922, 17.7496
Hunter-Lab	77.1616, -8.0379, 31.1718

# Details

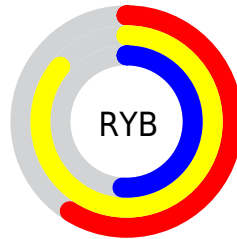
The Yxy color **59.5392, 0.3808, 0.4130** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.7800, 0.2407, 0.2276**, and the grayscale version is **57.8055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2407, 0.3550, 0.3988**, and **29.8459, 0.3961, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **57.0788, 0.3982, 0.4320**, and if you desaturate by 10%, it is **62.1838, 0.3632, 0.3926**.

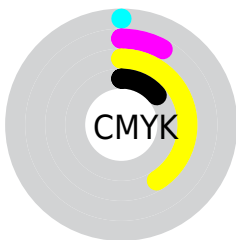
# Distribution



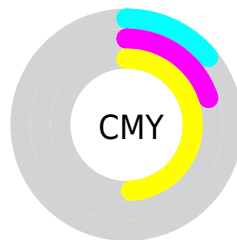
- Red (86%)
- Green (80%)
- Blue (51%)



- Red (59%)
- Yellow (86%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (41%)
- Black (14%)




- Cyan (14%)
- Magenta (20%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.5392, 0.3808, 0.4130 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 59.5392, 0.3808, 0.4130 by changing the saturation by 10% instead.





 59.5392, 0.3808,  
0.4130


 59.5392, 0.3808,  
0.4130

422.8972, 0.3491,  
0.3731


 43.0473, 0.3878,  
0.4221


 104.1609, 0.3699,  
0.3991

 29.9222, 0.3964,  
0.4333


 133.0596, 0.3656,  
0.3937

 19.7796, 0.4067,  
0.4471


 166.8626, 0.3619,  
0.3891

 12.2349, 0.4194,  
0.4646

205.9544, 0.3587,  
0.3850

 6.9039, 0.4343,  
0.4865

250.7193, 0.3559,  
0.3815

 3.4021, 0.4675,  
0.5325

301.5419, 0.3534,

 1.3451, 0.4602,

0.3784

0.5398

358.8064, 0.3511,  
0.3756

■ 0.1757, 0.2656,  
0.7344

■ 0.0000, 0.0000,  
0.0000

■ 59.5392, 0.3808,  
0.4130

■ 59.5392, 0.3808,  
0.4130

■ 57.0788, 0.3982,  
0.4320

■ 62.1838, 0.3632,  
0.3926

■ 54.7859, 0.4146,  
0.4485

■ 65.0122, 0.3459,  
0.3716

■ 52.6538, 0.4293,  
0.4616


■ 68.0344, 0.3295,  
0.3508

■ 50.6716, 0.4417,  
0.4704

■ 71.2572, 0.3140,  
0.3307

 48.8266, 0.4512,  
0.4746

 74.6868, 0.2998,  
0.3117

 47.2458, 0.4576,  
0.4749

 77.8693, 0.2909,  
0.3009

 80.1788, 0.2910,  
0.3052

 82.5435, 0.2911,  
0.3096

 84.9638, 0.2913,  
0.3139

# Harmonies

## Analogous

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



59.5392, 0.4085, 0.3853



59.5392, 0.3808, 0.4130



59.5392, 0.3359, 0.4182

# Triad

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



59.5392, 0.3808, 0.4130



59.5392, 0.2250, 0.2984



59.5392, 0.3336, 0.2753

# Complementary

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



59.5392, 0.3808, 0.4130



30.7800, 0.2407, 0.2276

# 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.



59.5392, 0.2836, 0.2545



59.5392, 0.3808, 0.4130



59.5392, 0.2244, 0.2644

# Square

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



59.5392, 0.3808, 0.4130



59.5392, 0.2469, 0.3465



59.5392, 0.2449, 0.2500



59.5392, 0.3810, 0.3082



# Rectangle

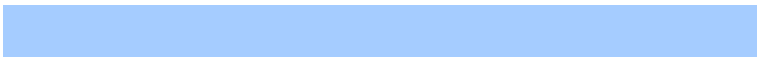
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.5392, 0.3808, 0.4130



59.5392, 0.3029, 0.4047



59.5392, 0.2449, 0.2500



59.5392, 0.3164, 0.2668

# Sweetspot

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



59.5419, 0.3808, 0.4130



94.5557, 0.3314, 0.3533



33.3234, 0.3954, 0.3075



20.1173, 0.3335, 0.3560



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.



59.5419, 0.3808, 0.4130



80.2656, 0.3956, 0.4293



64.1248, 0.3522, 0.4377



14.8245, 0.3271, 0.3478



27.8883, 0.4569, 0.4754



1.9167, 0.4497, 0.4812



# Inverse Universe

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



30.7800, 0.2407, 0.2276



34.9559, 0.2240, 0.2020



28.3078, 0.2589, 0.2106



13.0127, 0.2981, 0.3094



4.1043, 0.1551, 0.0784

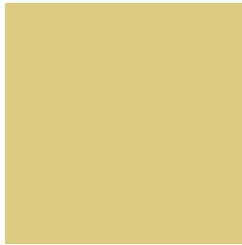


0.3844, 0.1631, 0.1072



# Previews

## White Background



This preview shows how the Yxy color 59.5392, 0.3808, 0.4130 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

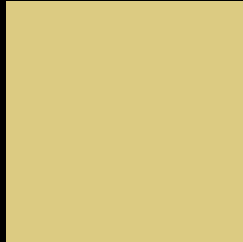
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.5392, 0.3808, 0.4130 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

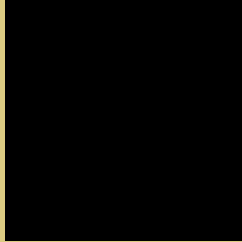
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.5392, 0.3808, 0.4130**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.5392, 0.3808, 0.4130.



This preview shows how white text looks on a background with the Yxy color 59.5392, 0.3808, 0.4130.

# 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

59.5392, 0.3808, 0.4130

### Protanopia

59.6957, 0.3817, 0.4127

### Deuteranopia

59.4826, 0.4041, 0.3956



## Tritanopia

59.1880, 0.3296, 0.3124

# Trichromacy



## Original Color

59.5392, 0.3808, 0.4130

## Protanomaly

59.6957, 0.3817, 0.4127

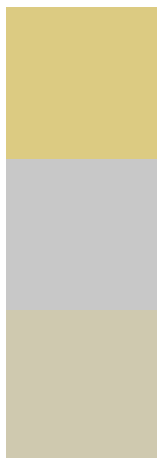
## Deuteranomaly

59.2334, 0.3957, 0.4019

## Tritanomaly

59.2353, 0.3486, 0.3485

# Monochromacy



## Original Color

59.5392, 0.3808, 0.4130

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.1338, 0.3368, 0.3602

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.5392, 0.3808, 0.4130 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(220, 203, 130)` looks like.

```
.text, #text, p{  
    color:rgb(220, 203, 130)  
}
```

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(220, 203, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 203, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 59.5392, 0.3808, 0.4130 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(220, 203, 130) }
```

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

```
.border{ border-color:rgb(220, 203, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 203, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 203, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 203, 130);  
box-shadow:4px 4px 4px 4px rgb(220, 203,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.5392, 0.3808, 0.4130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 203, 130) }
```

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

```
.background{ background-color: rgb(220,  
203, 130) }
```

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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