

# Converting Colors

Yxy(50.5660, 0.3679, 0.4081)

Have a look what the booklet for  
Yxy(50.5660, 0.3679, 0.4081)  
contains.

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# Color

**Yxy(50.8259, 0.3681, 0.4084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6BF80
RGB	198, 191, 128
RGB Percent	78%, 75%, 50%
CMY	0.2236, 0.2509, 0.4981
CMYK	0.00, 0.04, 0.35, 0.22
HSL	54°, 38%, 64%
HSV	54°, 35%, 78%
XYZ	45.8105, 50.8259, 27.8149
YIQ	185.9110, 24.3950, -18.1090

# Conversions

## Conversions Part 2

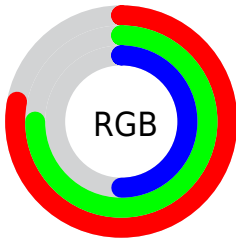
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 198, 128
Decimal	13025152
CIELab	76.57, -7.00, 32.71
CIELCh	77, 33.448, 102.080
Yxy	50.8259, 0.3681, 0.4084
Android (android.graphics.Color)	4291215232 (0xFFC6BF80)
YUV	185.9110, -28.5501, 10.6021
Hunter-Lab	71.2923, -10.0622, 26.7725

# Details

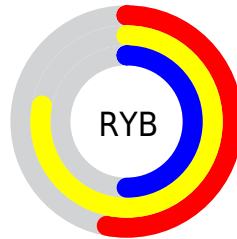
The Yxy color **50.8259, 0.3681, 0.4084** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.9801, 0.2507, 0.2347**, and the grayscale version is **49.2022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1177, 0.3588, 0.3946**, and **24.5667, 0.3812, 0.4298** is the 20% darker color. If you saturate the color by 10%, you get **49.5034, 0.3838, 0.4298**, and if you desaturate by 10%, it is **52.2663, 0.3520, 0.3859**.

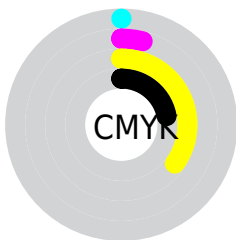
# Distribution



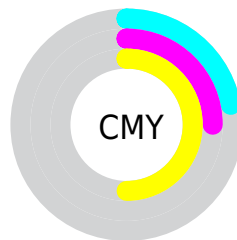
- Red (78%)
- Green (75%)
- Blue (50%)



- Red (53%)
- Yellow (78%)
- Blue (50%)



- Cyan (0%)
- Magenta (4%)
- Yellow (35%)
- Black (22%)




- Cyan (22%)
- Magenta (25%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8259, 0.3681, 0.4084 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 50.8259, 0.3681, 0.4084 by changing the saturation by 10% instead.




 50.8259, 0.3681,  
0.4084


 50.8259, 0.3681,  
0.4084

389.8870, 0.3416,  
0.3692

 36.0701, 0.3742,  
0.4179


 91.3974, 0.3588,  
0.3943

 24.4883, 0.3817,  
0.4298


 117.9818, 0.3552,  
0.3890

 15.6962, 0.3909,  
0.4451


 149.2779, 0.3521,  
0.3845

 9.3095, 0.4025,  
0.4652

185.6700, 0.3495,  
0.3805

 4.9436, 0.4164,  
0.4923

227.5426, 0.3471,  
0.3771

 2.2142, 0.4491,  
0.5509

275.2800, 0.3451,

 0.7277, 0.4171,

0.3742

0.5829

329.2667, 0.3432,  
0.3715

0.0000, 0.0000,  
0.0000

50.8259, 0.3681,  
0.4084

50.8259, 0.3681,  
0.4084

49.5034, 0.3838,  
0.4298

52.2663, 0.3520,  
0.3859

48.2858, 0.3985,  
0.4491

53.8232, 0.3360,  
0.3631

47.1690, 0.4116,  
0.4654


55.5039, 0.3206,  
0.3406


46.1453, 0.4224,  
0.4778

57.3133, 0.3061,  
0.3191


45.2064, 0.4306,  
0.4859

59.2559, 0.2925,  
0.2988

 44.3415, 0.4360,  
0.4896

 61.3360, 0.2800,  
0.2799

 43.9549, 0.4380,  
0.4904

 62.7895, 0.2752,  
0.2738

 63.7365, 0.2754,  
0.2761

 64.6955, 0.2756,  
0.2783

# Harmonies

## Analogous

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



50.8259, 0.3969, 0.3869



50.8259, 0.3681, 0.4084



50.8259, 0.3255, 0.4074

# Triad

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



50.8259, 0.3681, 0.4084



50.8259, 0.2306, 0.2942



50.8259, 0.3409, 0.2849

# Complementary

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



50.8259, 0.3681, 0.4084



25.9801, 0.2507, 0.2347

# 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.



50.8259, 0.2947, 0.2632



50.8259, 0.3681, 0.4084



50.8259, 0.2339, 0.2661

# Square

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



50.8259, 0.3681, 0.4084



50.8259, 0.2473, 0.3363



50.8259, 0.2564, 0.2560



50.8259, 0.3815, 0.3169



# Rectangle

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



50.8259, 0.3681, 0.4084



50.8259, 0.2955, 0.3917



50.8259, 0.2564, 0.2560



50.8259, 0.3254, 0.2763

# Sweetspot

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



50.8282, 0.3681, 0.4084



96.5558, 0.3295, 0.3536



29.1880, 0.3877, 0.3199



20.5802, 0.3316, 0.3567



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

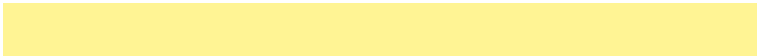


# Same Dimension

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



50.8282, 0.3681, 0.4084



88.3044, 0.3796, 0.4242



50.4794, 0.3412, 0.4236



12.2297, 0.3268, 0.3496



28.6640, 0.4377, 0.4906



1.4107, 0.4334, 0.4940



# Inverse Universe

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



25.9801, 0.2507, 0.2347



38.1500, 0.2359, 0.2114



26.5791, 0.2748, 0.2310



10.4544, 0.2983, 0.3075



3.0291, 0.1521, 0.0676



0.2026, 0.1587, 0.0913



# Previews

## White Background



This preview shows how the Yxy color 50.8259, 0.3681, 0.4084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

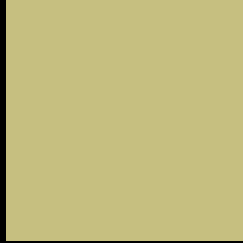
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8259, 0.3681, 0.4084 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

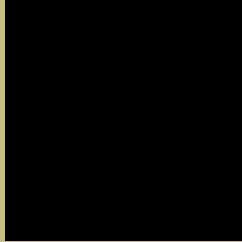
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.8259, 0.3681, 0.4084**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8259, 0.3681, 0.4084.



This preview shows how white text looks on a background with the Yxy color 50.8259, 0.3681, 0.4084.

# 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

50.8259, 0.3681, 0.4084

### Protanopia

50.9066, 0.3761, 0.4055

### Deuteranopia

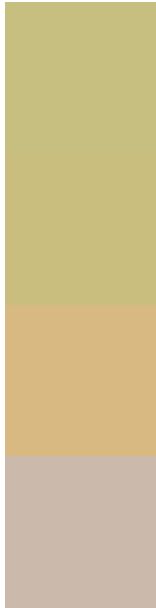
50.8282, 0.3965, 0.3882



## Tritanopia

50.6089, 0.3212, 0.3110

# Trichromacy



## Original Color

50.8259, 0.3681, 0.4084

## Protanomaly

50.9158, 0.3729, 0.4074

## Deuteranomaly

50.8818, 0.3863, 0.3960

## Tritanomaly

50.3730, 0.3386, 0.3452

# Monochromacy



## Original Color

50.8259, 0.3681, 0.4084

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

49.6302, 0.3325, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8259, 0.3681, 0.4084 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(198, 191, 128)` looks like.

```
.text, #text, p{  
    color:rgb(198, 191, 128)  
}
```

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(198, 191, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 191, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8259, 0.3681, 0.4084 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(198, 191, 128) }
```

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

```
.border{ border-color:rgb(198, 191, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 191, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 191, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 191, 128);  
box-shadow:4px 4px 4px 4px rgb(198, 191,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8259, 0.3681, 0.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 191, 128) }
```

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

```
.background{ background-color: rgb(198,  
191, 128) }
```

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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