

# Converting Colors

Yxy(50.8443, 0.3728, 0.4022)

Have a look what the booklet for  
Yxy(50.8443, 0.3728, 0.4022)  
contains.

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# **Color**

**Yxy(50.8443, 0.3728, 0.4022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCBD82
RGB	204, 189, 130
RGB Percent	80%, 74%, 51%
CMY	0.2000, 0.2588, 0.4903
CMYK	0.00, 0.07, 0.36, 0.20
HSL	48°, 42%, 65%
HSV	48°, 36%, 80%
XYZ	47.1277, 50.8443, 28.4435
YIQ	186.7590, 27.8790, -15.1690

# Conversions

## Conversions Part 2

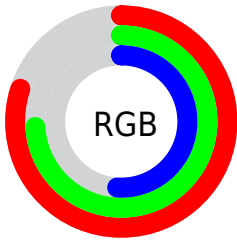
Format	Color
R <sub>YB</sub>	149, 204, 130
Decimal	13417858
CIE Lab	76.58, -3.33, 31.78
CIE LCh	77, 31.951, 95.975
Yxy	50.8443, 0.3728, 0.4022
Android (android.graphics.Color)	4291607938 (0xFFCCBD82)
YUV	186.7590, -27.9822, 15.1204
Hunter-Lab	71.3052, -6.8082, 26.2630

# Details

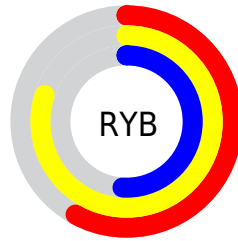
The Yxy color **50.8443, 0.3728, 0.4022** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.3485, 0.2503, 0.2430**, and the grayscale version is **49.7005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0255, 0.3574, 0.3898**, and **24.5771, 0.3880, 0.4211** is the 20% darker color. If you saturate the color by 10%, you get **48.5994, 0.3906, 0.4217**, and if you desaturate by 10%, it is **53.2531, 0.3552, 0.3818**.

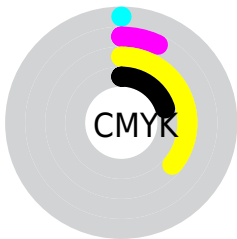
# Distribution



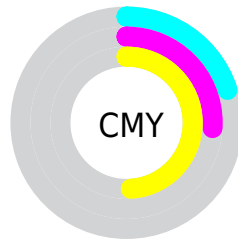
- Red (80%)
- Green (74%)
- Blue (51%)



- Red (58%)
- Yellow (80%)
- Blue (51%)



- Cyan (0%)
- Magenta (7%)
- Yellow (36%)
- Black (20%)




- Cyan (20%)
- Magenta (26%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8443, 0.3728, 0.4022 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 50.8443, 0.3728, 0.4022 by changing the saturation by 10% instead.





 50.8443, 0.3728,  
0.4022


 50.8443, 0.3728,  
0.4022

389.9586, 0.3438,  
0.3663


 36.0847, 0.3796,  
0.4108


 91.4246, 0.3626,  
0.3894

 24.4996, 0.3880,  
0.4215


 118.0141, 0.3586,  
0.3845

 15.7047, 0.3985,  
0.4351


 149.3156, 0.3553,  
0.3804

 9.3154, 0.4119,  
0.4530

185.7137, 0.3524,  
0.3768

 4.9475, 0.4288,  
0.4766

227.5926, 0.3498,  
0.3737

 2.2165, 0.4694,  
0.5306

275.3368, 0.3476,

 0.7290, 0.4563,

0.3709

0.5437

329.3306, 0.3456,  
0.3685

0.0000, 0.0000,  
0.0000

50.8443, 0.3728,  
0.4022

50.8443, 0.3728,  
0.4022

48.5994, 0.3906,  
0.4217

53.2531, 0.3552,  
0.3818

46.5046, 0.4079,  
0.4392

55.8252, 0.3382,  
0.3613

44.5546, 0.4239,  
0.4538


58.5687, 0.3222,  
0.3412

42.7409, 0.4379,  
0.4646


61.4893, 0.3073,  
0.3220


41.0539, 0.4493,  
0.4709

64.5922, 0.2937,  
0.3039


 39.4810, 0.4578,  
0.4725

 67.8822, 0.2814,  
0.2871

 38.9167, 0.4606,  
0.4725

 70.1653, 0.2802,  
0.2891

 72.3345, 0.2805,  
0.2936

 74.5575, 0.2807,  
0.2982

# Harmonies

## Analogous

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



50.8443, 0.3963, 0.3787



50.8443, 0.3728, 0.4022



50.8443, 0.3339, 0.4059

# Triad

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



50.8443, 0.3728, 0.4022



50.8443, 0.2358, 0.3033



50.8443, 0.3307, 0.2815

# Complementary

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



50.8443, 0.3728, 0.4022



29.3485, 0.2503, 0.2430

# 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.



50.8443, 0.2872, 0.2632



50.8443, 0.3728, 0.4022



50.8443, 0.2350, 0.2730

# Square

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



50.8443, 0.3728, 0.4022



50.8443, 0.2556, 0.3449



50.8443, 0.2530, 0.2596



50.8443, 0.3717, 0.3107



# Rectangle

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



50.8443, 0.3728, 0.4022



50.8443, 0.3050, 0.3943



50.8443, 0.2530, 0.2596



50.8443, 0.3158, 0.2740

# Sweetspot

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



50.8466, 0.3728, 0.4022



94.7514, 0.3298, 0.3509



30.8748, 0.3803, 0.3084



20.1476, 0.3320, 0.3536



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.



50.8466, 0.3728, 0.4022



81.1037, 0.3876, 0.4184



54.8675, 0.3491, 0.4242



12.6956, 0.3271, 0.3474



24.6300, 0.4599, 0.4730



1.3710, 0.4506, 0.4805



# Inverse Universe

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



29.3485, 0.2503, 0.2430



40.1429, 0.2342, 0.2192



26.8962, 0.2654, 0.2257



11.2060, 0.2982, 0.3100



3.8639, 0.1559, 0.0812



0.3098, 0.1659, 0.1174



# Previews

## White Background



This preview shows how the Yxy color 50.8443, 0.3728, 0.4022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

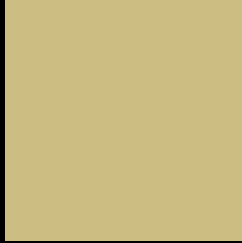
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8443, 0.3728, 0.4022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

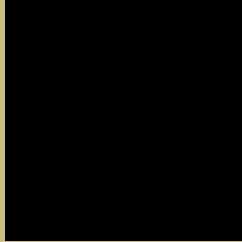
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.8443, 0.3728, 0.4022**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8443, 0.3728, 0.4022.

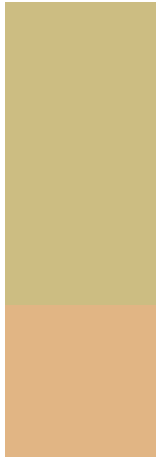


This preview shows how white text looks on a background with the Yxy color 50.8443, 0.3728, 0.4022.

# 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

50.8443, 0.3728, 0.4022

### Protanopia

50.8443, 0.3728, 0.4022

### Deuteranopia

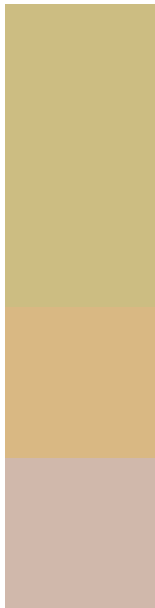
50.7212, 0.3939, 0.3861



## Tritanopia

50.8368, 0.3272, 0.3124

# Trichromacy



## Original Color

50.8443, 0.3728, 0.4022

## Protanomaly

50.8443, 0.3728, 0.4022

## Deuteranomaly

50.6714, 0.3860, 0.3923

## Tritanomaly

50.6312, 0.3441, 0.3450

# Monochromacy



## Original Color

50.8443, 0.3728, 0.4022

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.0571, 0.3343, 0.3571

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8443, 0.3728, 0.4022 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(204, 189, 130)` looks like.

```
.text, #text, p{  
    color:rgb(204, 189, 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(204, 189, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 189, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8443, 0.3728, 0.4022 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(204, 189, 130) }
```

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

```
.border{ border-color:rgb(204, 189, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 189, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 189, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 189, 130);  
box-shadow:4px 4px 4px 4px rgb(204, 189,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8443, 0.3728, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 189, 130) }
```

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

```
.background{ background-color: rgb(204,  
189, 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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