

# Converting Colors

$Yxy(54.5450, 0.3750, 0.4047)$

Have a look what the booklet for  
Yxy(54.5450, 0.3750, 0.4047)  
contains.

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# **Color**

**Yxy(54.5450, 0.3750, 0.4047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3C384
RGB	211, 195, 132
RGB Percent	83%, 76%, 52%
CMY	0.1726, 0.2353, 0.4824
CMYK	0.00, 0.08, 0.37, 0.17
HSL	48°, 47%, 67%
HSV	48°, 37%, 83%
XYZ	50.5421, 54.5450, 29.6918
YIQ	192.6020, 29.7590, -16.2010

# Conversions

## Conversions Part 2

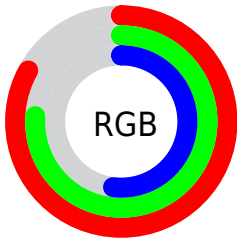
Format	Color
<b>R<sub>YB</sub></b>	152, 211, 132
Decimal	13878148
CIE Lab	78.78, -3.45, 33.72
CIE LCh	79, 33.892, 95.838
Yxy	54.5450, 0.3750, 0.4047
Android (android.graphics.Color)	4292068228 (0xFFD3C384)
YUV	192.6020, -29.8768, 16.1350
Hunter-Lab	73.8546, -7.0898, 27.8618

# Details

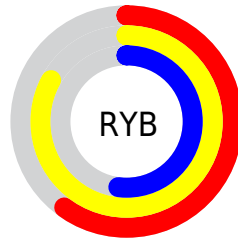
The Yxy color **54.5450, 0.3750, 0.4047** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.7816, 0.2479, 0.2395**, and the grayscale version is **53.2486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7995, 0.3547, 0.3933**, and **26.9086, 0.3901, 0.4254** is the 20% darker color. If you saturate the color by 10%, you get **52.1410, 0.3928, 0.4240**, and if you desaturate by 10%, it is **57.1255, 0.3573, 0.3843**.

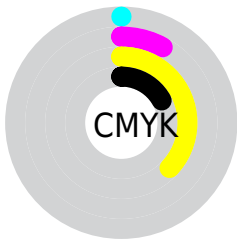
# Distribution



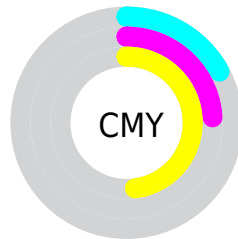
- Red (83%)
- Green (76%)
- Blue (52%)



- Red (60%)
- Yellow (83%)
- Blue (52%)



- Cyan (0%)
- Magenta (8%)
- Yellow (37%)
- Black (17%)



- Cyan (17%)
- Magenta (24%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5450, 0.3750, 0.4047 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 54.5450, 0.3750, 0.4047 by changing the saturation by 10% instead.





 54.5450, 0.3750,  
0.4047

 54.5450, 0.3750,  
0.4047


404.1849, 0.3454,  
0.3681


 39.0376, 0.3818,  
0.4133


 96.8740, 0.3646,  
0.3918

 26.7889, 0.3902,  
0.4239


 124.4643, 0.3606,  
0.3868

 17.4148, 0.4005,  
0.4374


 156.8511, 0.3572,  
0.3826

 10.5307, 0.4136,  
0.4548

194.4186, 0.3542,  
0.3789

 5.7522, 0.4298,  
0.4773

237.5514, 0.3516,  
0.3757

 2.6950, 0.4699,  
0.5301

286.6338, 0.3492,

 0.9747, 0.4628,

0.3728

0.5372

342.0501, 0.3472,  
0.3703

0.0000, 0.0000,  
0.0000

54.5450, 0.3750,  
0.4047

54.5450, 0.3750,  
0.4047

52.1410, 0.3928,  
0.4240

57.1255, 0.3573,  
0.3843

49.8985, 0.4100,  
0.4413

59.8820, 0.3402,  
0.3637

47.8116, 0.4258,  
0.4555


62.8235, 0.3240,  
0.3435

45.8711, 0.4396,  
0.4657


65.9558, 0.3090,  
0.3241

44.0660, 0.4506,  
0.4714

69.2849, 0.2952,  
0.3059

 42.3816, 0.4588,  
0.4725

 72.5826, 0.2848,  
0.2925

 41.9637, 0.4607,  
0.4724

 74.8609, 0.2850,  
0.2971

 77.1968, 0.2852,  
0.3017

 79.5909, 0.2855,  
0.3063

# Harmonies

## Analogous

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



54.5450, 0.3993, 0.3801



54.5450, 0.3750, 0.4047



54.5450, 0.3348, 0.4089

# Triad

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



54.5450, 0.3750, 0.4047



54.5450, 0.2332, 0.3024



54.5450, 0.3311, 0.2798

# Complementary

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



54.5450, 0.3750, 0.4047



30.7816, 0.2479, 0.2395

# 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.



54.5450, 0.2860, 0.2610



54.5450, 0.3750, 0.4047



54.5450, 0.2323, 0.2711

# Square

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



54.5450, 0.3750, 0.4047



54.5450, 0.2537, 0.3456



54.5450, 0.2508, 0.2573



54.5450, 0.3736, 0.3099



# Rectangle

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



54.5450, 0.3750, 0.4047



54.5450, 0.3048, 0.3970



54.5450, 0.2508, 0.2573



54.5450, 0.3156, 0.2721

# Sweetspot

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



54.5475, 0.3750, 0.4047



94.7552, 0.3298, 0.3509



32.5226, 0.3836, 0.3077



20.1485, 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.



54.5475, 0.3750, 0.4047



80.7507, 0.3893, 0.4204



59.0199, 0.3502, 0.4276



13.3743, 0.3271, 0.3474



25.4758, 0.4599, 0.4730



1.5299, 0.4511, 0.4800



# Inverse Universe

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



30.7816, 0.2479, 0.2395



39.1786, 0.2323, 0.2162



28.1112, 0.2634, 0.2217



11.7996, 0.2982, 0.3099



3.9856, 0.1558, 0.0810

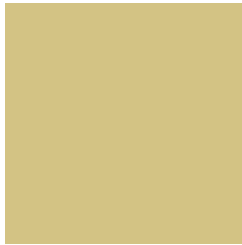


0.3379, 0.1652, 0.1148



# Previews

## White Background



This preview shows how the Yxy color 54.5450, 0.3750, 0.4047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

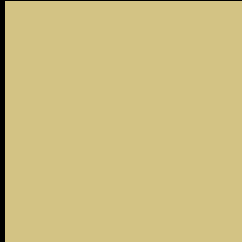
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5450, 0.3750, 0.4047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

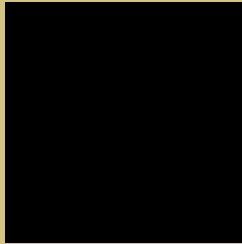
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.5450, 0.3750, 0.4047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5450, 0.3750, 0.4047.



This preview shows how white text looks on a background with the Yxy color 54.5450, 0.3750, 0.4047.

# 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

54.5450, 0.3750, 0.4047

### Protanopia

54.5450, 0.3750, 0.4047

### Deuteranopia

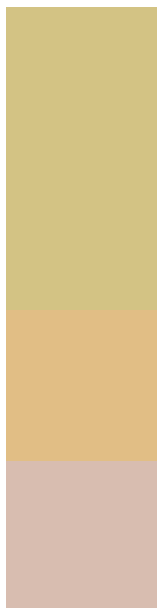
54.5855, 0.3965, 0.3887



## Tritanopia

54.3949, 0.3286, 0.3118

# Trichromacy



## Original Color

54.5450, 0.3750, 0.4047

## Protanomaly

54.5450, 0.3750, 0.4047

## Deuteranomaly

54.5279, 0.3888, 0.3948

## Tritanomaly

54.1287, 0.3459, 0.3445

# Monochromacy



## Original Color

54.5450, 0.3750, 0.4047

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.8032, 0.3353, 0.3575

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5450, 0.3750, 0.4047 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(211, 195, 132)` looks like.

```
.text, #text, p{  
    color:rgb(211, 195, 132)  
}
```

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(211, 195, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 195, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5450, 0.3750, 0.4047 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(211, 195, 132) }
```

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

```
.border{ border-color:rgb(211, 195, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 195, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 195, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 195, 132);  
box-shadow:4px 4px 4px 4px rgb(211, 195,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5450, 0.3750, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 195, 132) }
```

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

```
.background{ background-color: rgb(211,  
195, 132) }
```

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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