

# Converting Colors

$Y_{xy}(50.1591, 0.4287, 0.4726)$

Have a look what the booklet for  
Yxy(50.1591, 0.4287, 0.4726)  
contains.

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# Color

**Yxy(50.0633, 0.4287, 0.4721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3BC34
RGB	211, 188, 52
RGB Percent	83%, 74%, 20%
CMY	0.1727, 0.2627, 0.7959
CMYK	0.00, 0.11, 0.75, 0.17
HSL	51°, 64%, 52%
HSV	51°, 75%, 83%
XYZ	45.4610, 50.0633, 10.5195
YIQ	179.3730, 57.3640, -37.4200

# Conversions

## Conversions Part 2

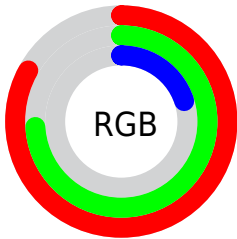
Format	Color
<b>RYB</b>	79, 211, 52
Decimal	13876276
CIELab	76.11, -5.99, 67.04
CIELCh	76, 67.303, 95.109
Yxy	50.0633, 0.4287, 0.4721
Android (android.graphics.Color)	4292066356 (0xFFD3BC34)
YUV	179.3730, -62.7949, 27.7369
Hunter-Lab	70.7554, -9.1341, 40.7139

# Details

The Yxy color **50.0633, 0.4287, 0.4721** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted orange. A complement of this color would be **10.4631, 0.1764, 0.1176**, and the grayscale version is **45.6094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0441, 0.4009, 0.4574**, and **24.0033, 0.4401, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **48.6278, 0.4383, 0.4795**, and if you desaturate by 10%, it is **51.6159, 0.4165, 0.4602**.

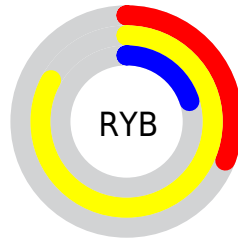
# Distribution



Red (83%)

Green (74%)

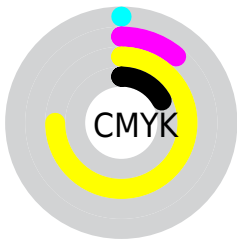
Blue (20%)



Red (31%)

Yellow (83%)

Blue (20%)

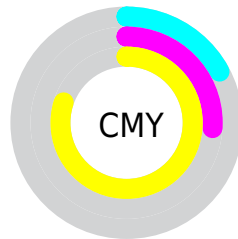


Cyan (0%)

Magenta (11%)

Yellow (75%)

Black (17%)



Cyan (17%)

Magenta (26%)


Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.0633, 0.4287, 0.4721 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 50.0633, 0.4287, 0.4721 by changing the saturation by 10% instead.




 50.0633, 0.4287,  
0.4721

 50.0633, 0.4287,  
0.4721


386.9134, 0.3778,  
0.4067


 35.4637, 0.4379,  
0.4850


 90.2687, 0.4126,  
0.4507


 24.0203, 0.4476,  
0.4992


 116.6432, 0.4058,  
0.4419

 15.3487, 0.4566,  
0.5142


 147.7115, 0.3997,  
0.4341

 9.0645, 0.4671,  
0.5329

 183.8580, 0.3943,  
0.4273

 4.7832, 0.4622,  
0.5378

 225.4670, 0.3895,  
0.4213

 2.1207, 0.4542,  
0.5458

272.9230, 0.3852,

 0.6762, 0.4233,

0.4159

0.5767

326.6104, 0.3813,  
0.4111

0.0000, 0.0000,  
0.0000

50.0633, 0.4287,  
0.4721

50.0633, 0.4287,  
0.4721

48.6278, 0.4383,  
0.4795

51.6159, 0.4165,  
0.4602

47.2899, 0.4450,  
0.4824

53.2887, 0.4021,  
0.4445

46.6894, 0.4476,  
0.4828

55.0929, 0.3862,  
0.4258

57.0364, 0.3696,  
0.4051

59.1261, 0.3528,  
0.3834

■ 61.3688, 0.3364,  
0.3615

■ 63.7703, 0.3207,  
0.3401

■ 66.3366, 0.3060,  
0.3196

■ 69.0728, 0.2924,  
0.3002

# Harmonies

## Analogous

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



50.0633, 0.4824, 0.4128



50.0633, 0.4287, 0.4721



50.0633, 0.3489, 0.4994

# Triad

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



50.0633, 0.4287, 0.4721



50.0633, 0.1640, 0.2701



50.0633, 0.3442, 0.2358

# Complementary

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



50.0633, 0.4287, 0.4721



10.4631, 0.1764, 0.1176

# 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.



50.0633, 0.2556, 0.2034



50.0633, 0.4287, 0.4721



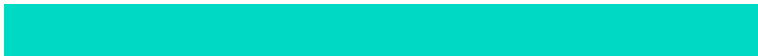
50.0633, 0.1637, 0.2150

# Square

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



50.0633, 0.4287, 0.4721



50.0633, 0.1975, 0.3620



50.0633, 0.1940, 0.1951



50.0633, 0.4352, 0.2867



# Rectangle

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



50.0633, 0.4287, 0.4721



50.0633, 0.2916, 0.4808



50.0633, 0.1940, 0.1951



50.0633, 0.3126, 0.2226

# Sweetspot

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



50.0657, 0.4287, 0.4721



91.4959, 0.3493, 0.3789



16.8234, 0.5370, 0.3074



19.3235, 0.3554, 0.3869



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.



50.0657, 0.4287, 0.4721



73.4987, 0.4424, 0.4817



53.8235, 0.3641, 0.5227



13.4944, 0.3270, 0.3487



28.3027, 0.4471, 0.4832



1.6640, 0.4412, 0.4879



# Inverse Universe

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



10.4631, 0.1764, 0.1176



10.5245, 0.1587, 0.0834



10.3277, 0.2078, 0.1122



11.6892, 0.2982, 0.3085



3.5043, 0.1535, 0.0724



0.2866, 0.1612, 0.1003



# Previews

## White Background



This preview shows how the Yxy color 50.0633, 0.4287, 0.4721 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 50.0633, 0.4287, 0.4721 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 50.0633, 0.4287, 0.4721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.0633, 0.4287, 0.4721.



This preview shows how white text looks on a background with the Yxy color 50.0633, 0.4287, 0.4721.

# 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

50.0633, 0.4287, 0.4721

### Protanopia

50.0633, 0.4287, 0.4721

### Deuteranopia

49.7885, 0.4571, 0.4471



## Tritanopia

49.7062, 0.3419, 0.3128

# Trichromacy



## Original Color

50.0633, 0.4287, 0.4721

## Protanomaly

50.0633, 0.4287, 0.4721

## Deuteranomaly

49.9005, 0.4461, 0.4563

## Tritanomaly

49.2583, 0.3810, 0.3784

# Monochromacy



## Original Color

50.0633, 0.4287, 0.4721

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

46.2257, 0.3611, 0.3932

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.0633, 0.4287, 0.4721 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, 188, 52)` looks like.

```
.text, #text, p{  
    color:rgb(211, 188, 52)  
}
```

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, 188, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 188, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 50.0633, 0.4287, 0.4721 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, 188, 52) }
```

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

```
.border{ border-color:rgb(211, 188, 52) }
```

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

Here you see how a box with a 4 pixel rgb(211, 188, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 188, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 188, 52);  
box-shadow:4px 4px 4px 4px rgb(211, 188,  
52) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.0633, 0.4287, 0.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 188, 52) }
```

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

```
.background{ background-color: rgb(211,  
188, 52) }
```

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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