

# Converting Colors

$Y_{xy}(50.8899, 0.4387, 0.4859)$

Have a look what the booklet for  
Yxy(50.8899, 0.4387, 0.4859)  
contains.

<b>Yxy(51.0105, 0.4381, 0.4864)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(51.0105, 0.4381, 0.4864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5BE10
RGB	213, 190, 16
RGB Percent	84%, 75%, 6%
CMY	0.1648, 0.2549, 0.9369
CMYK	0.00, 0.11, 0.92, 0.16
HSL	53°, 86%, 45%
HSV	53°, 92%, 84%
XYZ	45.9451, 51.0105, 7.9180
YIQ	177.0410, 69.5620, -49.2380

# Conversions

## Conversions Part 2

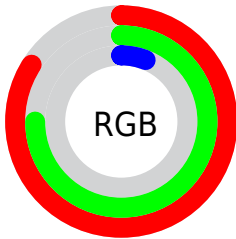
Format	Color
R <sub>Y</sub> B	42, 213, 16
Decimal	14007824
CIE Lab	76.69, -7.10, 76.32
CIE LCh	77, 76.652, 95.314
Yxy	51.0105, 0.4381, 0.4864
Android (android.graphics.Color)	4292197904 (0xFFD5BE10)
YUV	177.0410, -79.3932, 31.5360
Hunter-Lab	71.4216, -10.1599, 43.4221

# Details

The Yxy color **51.0105, 0.4381, 0.4864** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **6.3703, 0.1564, 0.0769**, and the grayscale version is **44.3936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8597, 0.4087, 0.4730**, and **24.7613, 0.4398, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **50.1666, 0.4417, 0.4875**, and if you desaturate by 10%, it is **52.1973, 0.4314, 0.4818**.

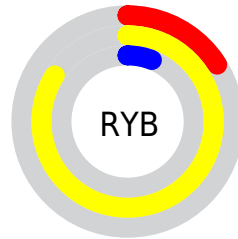
# Distribution



Red (84%)

Green (75%)

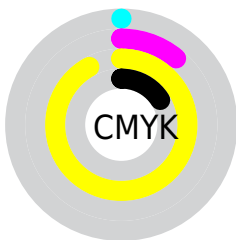
Blue (6%)



Red (16%)

Yellow (84%)

Blue (6%)

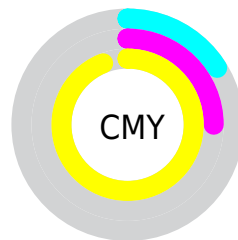


Cyan (0%)

Magenta (11%)

Yellow (92%)

Black (16%)



Cyan (16%)

Magenta (25%)


Yellow (94%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0105, 0.4381, 0.4864 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 51.0105, 0.4381, 0.4864 by changing the saturation by 10% instead.





 51.0105, 0.4381,  
0.4864

 51.0105, 0.4381,  
0.4864


390.6046, 0.3856,  
0.4169

 36.2170, 0.4465,  
0.4990


 91.6703, 0.4224,  
0.4644


 24.6018, 0.4545,  
0.5122


 118.3053, 0.4154,  
0.4552

 15.7806, 0.4628,  
0.5274


 149.6563, 0.4091,  
0.4469

 9.3691, 0.4635,  
0.5365

 186.1077, 0.4034,  
0.4395

 4.9827, 0.4579,  
0.5421

 228.0438, 0.3983,  
0.4329

 2.2371, 0.4487,  
0.5513

 275.8491, 0.3937,

 0.7401, 0.4174,

0.4270

0.5826

329.9079, 0.3895,  
0.4217

■ 0.0000, 0.0000,  
0.0000

■ 51.0105, 0.4381,  
0.4864

■ 51.0105, 0.4381,  
0.4864

■ 50.1666, 0.4417,  
0.4875

■ 52.1973, 0.4314,  
0.4818

■ 53.4782, 0.4220,  
0.4728

■ 54.8677, 0.4099,  
0.4594

■ 56.3755, 0.3959,  
0.4424

■ 58.0103, 0.3803,  
0.4226

■ 59.7798, 0.3641,  
0.4010

■ 61.6910, 0.3477,  
0.3786

■ 63.7504, 0.3316,  
0.3561

■ 65.9641, 0.3163,  
0.3342

# Harmonies

## Analogous

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



51.0105, 0.5005, 0.4178



51.0105, 0.4381, 0.4864



51.0105, 0.3491, 0.5226

# Triad

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



51.0105, 0.4381, 0.4864



51.0105, 0.1485, 0.2605



51.0105, 0.3481, 0.2261

# Complementary

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



51.0105, 0.4381, 0.4864



6.3703, 0.1564, 0.0769

# Split Complementary

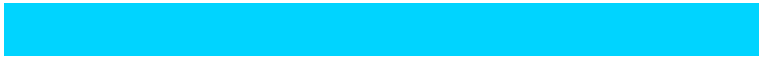
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



51.0105, 0.2489, 0.1910



51.0105, 0.4381, 0.4864



51.0105, 0.1491, 0.2015

# Square

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



51.0105, 0.4381, 0.4864



51.0105, 0.1834, 0.3645



51.0105, 0.1817, 0.1813



51.0105, 0.4516, 0.2812



# Rectangle

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



51.0105, 0.4381, 0.4864



51.0105, 0.2859, 0.5035



51.0105, 0.1817, 0.1813



51.0105, 0.3124, 0.2118

# Sweetspot

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



51.0129, 0.4381, 0.4864



91.0226, 0.3573, 0.3917



14.6872, 0.6056, 0.3171



19.2207, 0.3644, 0.4015



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.



51.0129, 0.4381, 0.4864



75.2420, 0.4419, 0.4873



53.2635, 0.3590, 0.5489



14.2610, 0.3269, 0.3494



30.7463, 0.4413, 0.4878



1.9261, 0.4370, 0.4912



# Inverse Universe

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



6.3703, 0.1564, 0.0769



8.1363, 0.1519, 0.0668



7.2658, 0.1867, 0.0835



12.2398, 0.2981, 0.3077



3.4327, 0.1525, 0.0690



0.2868, 0.1588, 0.0916



# Previews

## White Background



This preview shows how the Yxy color 51.0105, 0.4381, 0.4864 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 51.0105, 0.4381, 0.4864 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 51.0105, 0.4381, 0.4864**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0105, 0.4381, 0.4864.



This preview shows how white text looks on a background with the Yxy color 51.0105, 0.4381, 0.4864.

# 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

51.0105, 0.4381, 0.4864

### Protanopia

51.1605, 0.4390, 0.4857

### Deuteranopia

51.0771, 0.4679, 0.4584



## Tritanopia

51.0093, 0.3434, 0.3141

# Trichromacy



## Original Color

51.0105, 0.4381, 0.4864

## Protanomaly

51.1605, 0.4390, 0.4857

## Deuteranomaly

51.1699, 0.4572, 0.4685

## Tritanomaly

50.2038, 0.3930, 0.3940

# Monochromacy



## Original Color

51.0105, 0.4381, 0.4864

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

45.7111, 0.3724, 0.4128

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0105, 0.4381, 0.4864 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(213, 190, 16)` looks like.

```
.text, #text, p{  
    color:rgb(213, 190, 16)  
}
```

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(213, 190, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 190, 16) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0105, 0.4381, 0.4864 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(213, 190, 16) }
```

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

```
.border{ border-color:rgb(213, 190, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 190, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 190, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 190, 16);  
box-shadow:4px 4px 4px 4px rgb(213, 190,  
16) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0105, 0.4381, 0.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 190, 16) }
```

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

```
.background{ background-color: rgb(213,  
190, 16) }
```

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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