

# Converting Colors

$Y_{xy}(43.7913, 0.4189, 0.4614)$

Have a look what the booklet for  
Yxy(43.7913, 0.4189, 0.4614)  
contains.

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**Color**

**Yxy(43.6963, 0.4191, 0.4612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B141
RGB	197, 177, 65
RGB Percent	77%, 69%, 25%
CMY	0.2273, 0.3059, 0.7451
CMYK	0.00, 0.10, 0.67, 0.23
HSL	51°, 53%, 51%
HSV	51°, 67%, 77%
XYZ	39.7075, 43.6963, 11.3410
YIQ	170.2120, 47.8720, -30.5920

# Conversions

## Conversions Part 2

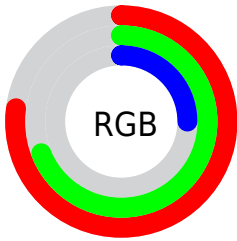
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 197, 65
Decimal	12955969
CIELab	72.03, -5.64, 57.67
CIElCh	72, 57.942, 95.585
Yxy	43.6963, 0.4191, 0.4612
Android (android.graphics.Color)	4291146049 (0xFFC5B141)
YUV	170.2120, -51.8695, 23.4931
Hunter-Lab	66.1032, -8.4573, 36.1002

# Details

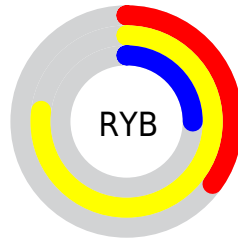
The Yxy color **43.6963, 0.4191, 0.4612** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **11.6571, 0.1905, 0.1431**, and the grayscale version is **40.5580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2812, 0.4022, 0.4401**, and **20.2427, 0.4390, 0.4896** is the 20% darker color. If you saturate the color by 10%, you get **42.3405, 0.4312, 0.4724**, and if you desaturate by 10%, it is **45.1617, 0.4048, 0.4461**.

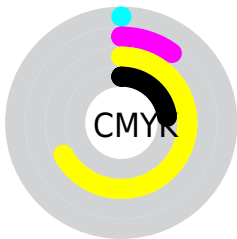
# Distribution



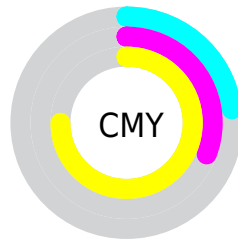
- Red (77%)
- Green (69%)
- Blue (25%)



- Red (35%)
- Yellow (77%)
- Blue (25%)



- Cyan (0%)
- Magenta (10%)
- Yellow (67%)
- Black (23%)




- Cyan (23%)
- Magenta (31%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.6963, 0.4191, 0.4612 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 43.6963, 0.4191, 0.4612 by changing the saturation by 10% instead.




 43.6963, 0.4191,  
0.4612


 43.6963, 0.4191,  
0.4612


361.4675, 0.3700,  
0.3979

 30.4318, 0.4289,  
0.4747


 80.7606, 0.4029,  
0.4396


 20.1666, 0.4396,  
0.4903


 105.3291, 0.3962,  
0.4311

 12.5162, 0.4505,  
0.5075


 134.4345, 0.3904,  
0.4236

 7.0963, 0.4666,  
0.5334

 168.4611, 0.3853,  
0.4171

 3.5224, 0.4611,  
0.5389

 207.7933, 0.3808,  
0.4114

 1.4101, 0.4516,  
0.5484

252.8155, 0.3768,

 0.2242, 0.2517,

0.4064

0.7483

303.9121, 0.3732,  
0.4019

0.0000, 0.0000,  
0.0000

43.6963, 0.4191,  
0.4612

43.6963, 0.4191,  
0.4612

42.3405, 0.4312,  
0.4724

45.1617, 0.4048,  
0.4461

41.0793, 0.4406,  
0.4790

46.7381, 0.3890,  
0.4280

39.9027, 0.4472,  
0.4814

48.4344, 0.3723,  
0.4078

39.5611, 0.4490,  
0.4817

50.2567, 0.3555,  
0.3864

52.2106, 0.3390,  
0.3647

■ 54.3013, 0.3232,  
0.3434

■ 56.5337, 0.3084,  
0.3230

■ 58.9124, 0.2947,  
0.3037

■ 61.4419, 0.2822,  
0.2857

# Harmonies

## Analogous

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



43.6963, 0.4672, 0.4091



43.6963, 0.4191, 0.4612



43.6963, 0.3463, 0.4817

# Triad

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



43.6963, 0.4191, 0.4612



43.6963, 0.1761, 0.2758



43.6963, 0.3431, 0.2442

# Complementary

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



43.6963, 0.4191, 0.4612



11.6571, 0.1905, 0.1431

# 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.



43.6963, 0.2623, 0.2138



43.6963, 0.4191, 0.4612



43.6963, 0.1758, 0.2249

# Square

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



43.6963, 0.4191, 0.4612



43.6963, 0.2074, 0.3579



43.6963, 0.2046, 0.2060



43.6963, 0.4243, 0.2920



# Rectangle

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



43.6963, 0.4191, 0.4612



43.6963, 0.2938, 0.4630



43.6963, 0.2046, 0.2060



43.6963, 0.3146, 0.2318

# Sweetspot

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



43.6984, 0.4191, 0.4612



92.3018, 0.3444, 0.3719



16.3421, 0.4957, 0.3040



19.5423, 0.3491, 0.3780



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.



43.6984, 0.4191, 0.4612



74.8371, 0.4355, 0.4757



47.1006, 0.3645, 0.5039



12.1322, 0.3269, 0.3484



26.1111, 0.4486, 0.4820



1.3127, 0.4415, 0.4876



# Inverse Universe

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



11.6571, 0.1905, 0.1431



13.9509, 0.1693, 0.1053



11.0639, 0.2193, 0.1327



10.5429, 0.2983, 0.3088



3.3366, 0.1538, 0.0736



0.2431, 0.1629, 0.1063



# Previews

## White Background



This preview shows how the Yxy color 43.6963, 0.4191, 0.4612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

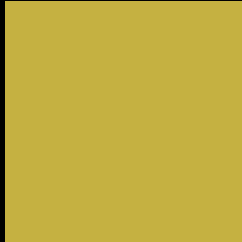
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.6963, 0.4191, 0.4612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

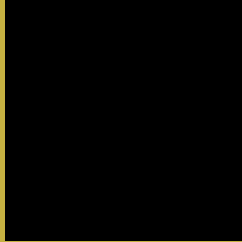
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.6963, 0.4191, 0.4612**

## Background



This preview shows how black text looks on a background with the Yxy color 43.6963, 0.4191, 0.4612.



This preview shows how white text looks on a background with the Yxy color 43.6963, 0.4191, 0.4612.

# 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

43.6963, 0.4191, 0.4612

### Protanopia

43.6963, 0.4191, 0.4612

### Deuteranopia

43.6383, 0.4468, 0.4375



## Tritanopia

43.6489, 0.3386, 0.3130

# Trichromacy



## Original Color

43.6963, 0.4191, 0.4612

## Protanomaly

43.6963, 0.4191, 0.4612

## Deuteranomaly

43.5281, 0.4373, 0.4455

## Tritanomaly

43.2809, 0.3727, 0.3700

# Monochromacy



## Original Color

43.6963, 0.4191, 0.4612

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.2564, 0.3546, 0.3856

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.6963, 0.4191, 0.4612 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(197, 177, 65)` looks like.

```
.text, #text, p{  
    color:rgb(197, 177, 65)  
}
```

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(197, 177, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 177, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 43.6963, 0.4191, 0.4612 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(197, 177, 65) }
```

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

```
.border{ border-color:rgb(197, 177, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 177, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 177, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 177, 65);  
box-shadow:4px 4px 4px 4px rgb(197, 177,  
65) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.6963, 0.4191, 0.4612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 177, 65) }
```

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

```
.background{ background-color: rgb(197,  
177, 65) }
```

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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