

# Converting Colors

$Y_{xy}(43.6590, 0.3910, 0.4162)$

Have a look what the booklet for  
Yxy(43.6590, 0.3910, 0.4162)  
contains.

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# **Color**

**Yxy(43.5918, 0.3914, 0.4161)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5AF6B
RGB	197, 175, 107
RGB Percent	77%, 69%, 42%
CMY	0.2276, 0.3137, 0.5803
CMYK	0.00, 0.11, 0.46, 0.23
HSL	45°, 44%, 60%
HSV	45°, 46%, 77%
XYZ	41.0042, 43.5918, 20.1668
YIQ	173.8260, 34.9400, -16.4840

# Conversions

## Conversions Part 2

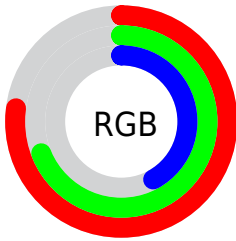
Format	Color
<a href="#">RYB</a>	<a href="#">136, 197, 107</a>
Decimal	<a href="#">12955499</a>
CIELab	<a href="#">71.95, -1.31, 37.64</a>
CIELCh	<a href="#">72, 37.664, 91.996</a>
Yxy	<a href="#">43.5918, 0.3914, 0.4161</a>
Android (android.graphics.Color)	<a href="#">4291145579</a> ( <a href="#">0xFFC5AF6B</a> )
YUV	<a href="#">173.8260, -32.9452, 20.3236</a>
Hunter-Lab	<a href="#">66.0241, -4.6850, 28.1069</a>

# Details

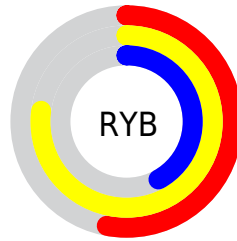
The Yxy color **43.5918, 0.3914, 0.4161** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **22.8489, 0.2334, 0.2223**, and the grayscale version is **42.3923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3568, 0.3781, 0.4008**, and **20.1341, 0.4106, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **41.3870, 0.4098, 0.4331**, and if you desaturate by 10%, it is **45.9617, 0.3728, 0.3974**.

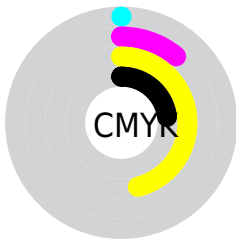
# Distribution



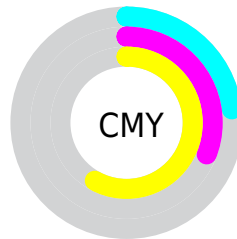
- Red (77%)
- Green (69%)
- Blue (42%)



- Red (53%)
- Yellow (77%)
- Blue (42%)



- Cyan (0%)
- Magenta (11%)
- Yellow (46%)
- Black (23%)




- Cyan (23%)
- Magenta (31%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5918, 0.3914, 0.4161 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 43.5918, 0.3914, 0.4161 by changing the saturation by 10% instead.





 43.5918, 0.3914,  
0.4161


 43.5918, 0.3914,  
0.4161


361.0399, 0.3527,  
0.3730


 30.3497, 0.4005,  
0.4263


 80.6031, 0.3777,  
0.4008

 20.1042, 0.4116,  
0.4389


 105.1412, 0.3724,  
0.3949

 12.4708, 0.4254,  
0.4547


 134.2134, 0.3679,  
0.3899

 7.0652, 0.4423,  
0.4743

 168.2041, 0.3641,  
0.3856

 3.5029, 0.4802,  
0.5176

207.4977, 0.3607,  
0.3818

 1.3996, 0.4791,  
0.5209

252.4786, 0.3577,

 0.2164, 0.4452,

0.3785

0.5548

303.5312, 0.3551,  
0.3756

0.0000, 0.0000,  
0.0000

43.5918, 0.3914,  
0.4161

43.5918, 0.3914,  
0.4161

41.3870, 0.4098,  
0.4331

45.9617, 0.3728,  
0.3974

39.3341, 0.4273,  
0.4473

48.4971, 0.3546,  
0.3779

37.4271, 0.4431,  
0.4578

51.2062, 0.3374,  
0.3584

35.6567, 0.4563,  
0.4638

54.0947, 0.3213,  
0.3394

34.0117, 0.4665,  
0.4650

57.1679, 0.3065,  
0.3213

■ 33.3288, 0.4705,  
0.4646

■ 60.4308, 0.2930,  
0.3043

■ 63.8883, 0.2809,  
0.2885

■ 66.9117, 0.2754,  
0.2835

■ 69.3730, 0.2758,  
0.2889

# Harmonies

## Analogous

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



43.5918, 0.4179, 0.3834



43.5918, 0.3914, 0.4161



43.5918, 0.3448, 0.4267

# Triad

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



43.5918, 0.3914, 0.4161



43.5918, 0.2207, 0.3023



43.5918, 0.3271, 0.2674

# Complementary

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



43.5918, 0.3914, 0.4161



22.8489, 0.2334, 0.2223

# 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.



43.5918, 0.2744, 0.2475



43.5918, 0.3914, 0.4161



43.5918, 0.2169, 0.2633

# Square

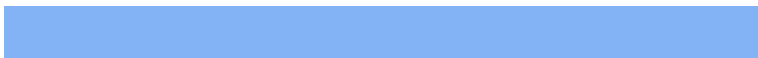
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



43.5918, 0.3914, 0.4161



43.5918, 0.2470, 0.3556



43.5918, 0.2355, 0.2452



43.5918, 0.3799, 0.3009



# Rectangle

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



43.5918, 0.3914, 0.4161



43.5918, 0.3093, 0.4156



43.5918, 0.2355, 0.2452



43.5918, 0.3087, 0.2590

# Sweetspot

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



43.5938, 0.3914, 0.4161



92.4769, 0.3349, 0.3556



23.9832, 0.4028, 0.2993



19.5583, 0.3386, 0.3598



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.



43.5938, 0.3914, 0.4161



74.0849, 0.4102, 0.4334



50.0337, 0.3598, 0.4481



11.9615, 0.3271, 0.3464



22.0660, 0.4697, 0.4653



1.1530, 0.4571, 0.4753



# Inverse Universe

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



22.8489, 0.2334, 0.2223



32.3357, 0.2144, 0.1935



19.2553, 0.2472, 0.1946



10.7009, 0.2983, 0.3110



4.1576, 0.1581, 0.0890



0.3147, 0.1697, 0.1307



# Previews

## White Background



This preview shows how the Yxy color 43.5918, 0.3914, 0.4161 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

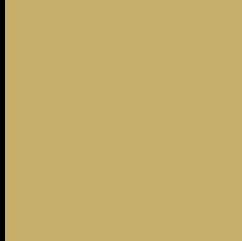
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.5918, 0.3914, 0.4161 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

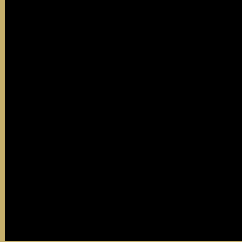
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.5918, 0.3914, 0.4161**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.5918, 0.3914, 0.4161.



This preview shows how white text looks on a background with the Yxy color 43.5918, 0.3914, 0.4161.

# 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

43.5918, 0.3914, 0.4161

### Protanopia

43.4708, 0.3862, 0.4174

### Deuteranopia

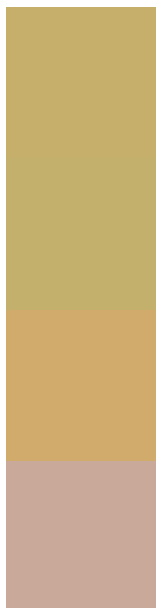
43.3841, 0.4113, 0.4015



## Tritanopia

43.3645, 0.3368, 0.3129

# Trichromacy



## Original Color

43.5918, 0.3914, 0.4161

## Protanomaly

43.6027, 0.3872, 0.4170

## Deuteranomaly

43.6184, 0.4037, 0.4068

## Tritanomaly

43.0933, 0.3572, 0.3496

# Monochromacy



## Original Color

43.5918, 0.3914, 0.4161

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

42.4192, 0.3405, 0.3617

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5918, 0.3914, 0.4161 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, 175, 107)` looks like.

```
.text, #text, p{  
    color:rgb(197, 175, 107)  
}
```

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, 175, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 175, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5918, 0.3914, 0.4161 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, 175, 107) }
```

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

```
.border{ border-color:rgb(197, 175, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 175, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 175, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 175, 107);  
box-shadow:4px 4px 4px 4px rgb(197, 175,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5918, 0.3914, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 175, 107) }
```

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

```
.background{ background-color: rgb(197,  
175, 107) }
```

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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