

# Converting Colors

$Y_{xy}(45.1644, 0.4134, 0.4214)$

Have a look what the booklet for  
Yxy(45.1644, 0.4134, 0.4214)  
contains.

<b>Yxy(44.9841, 0.4134, 0.4212)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(44.9841, 0.4134, 0.4212)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3AE61
RGB	211, 174, 97
RGB Percent	83%, 68%, 38%
CMY	0.1727, 0.3176, 0.6196
CMYK	0.00, 0.18, 0.54, 0.17
HSL	41°, 56%, 60%
HSV	41°, 54%, 83%
XYZ	44.1511, 44.9841, 17.6647
YIQ	176.2850, 46.7690, -16.1030

# Conversions

## Conversions Part 2

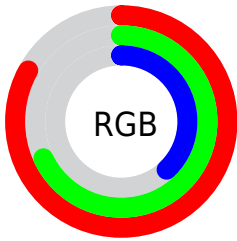
Format	Color
<b>RYB</b>	152, 211, 97
Decimal	13872737
CIELab	72.88, 4.12, 44.16
CIElCh	73, 44.356, 84.668
Yxy	44.9841, 0.4134, 0.4212
Android (android.graphics.Color)	4292062817 (0xFFD3AE61)
YUV	176.2850, -39.0875, 30.4451
Hunter-Lab	67.0702, 0.1304, 31.3336

# Details

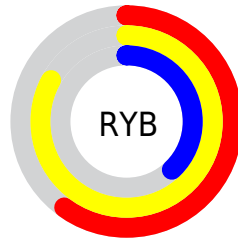
The Yxy color **44.9841, 0.4134, 0.4212** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.2799, 0.2202, 0.2121**, and the grayscale version is **43.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4685, 0.3850, 0.4097**, and **20.9943, 0.4384, 0.4426** is the 20% darker color. If you saturate the color by 10%, you get **42.0673, 0.4340, 0.4346**, and if you desaturate by 10%, it is **48.1445, 0.3926, 0.4053**.

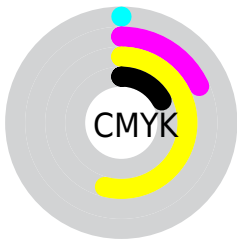
# Distribution



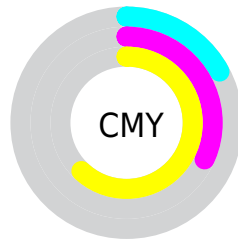
- Red (83%)
- Green (68%)
- Blue (38%)



- Red (60%)
- Yellow (83%)
- Blue (38%)



- Cyan (0%)
- Magenta (18%)
- Yellow (54%)
- Black (17%)




- Cyan (17%)
- Magenta (32%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9841, 0.4134, 0.4212 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 44.9841, 0.4134, 0.4212 by changing the saturation by 10% instead.





 44.9841, 0.4134,  
0.4212

 44.9841, 0.4134,  
0.4212


366.7092, 0.3644,  
0.3773


 31.4449, 0.4246,  
0.4309


 82.6966, 0.3962,  
0.4061


 20.9379, 0.4382,  
0.4424


 107.6386, 0.3895,  
0.4001

 13.0786, 0.4547,  
0.4558

 137.1504, 0.3838,  
0.3950

 7.4827, 0.4742,  
0.4707

 171.6163, 0.3789,  
0.3905

 3.7658, 0.5055,  
0.4945

211.4207, 0.3745,  
0.3866

 1.5434, 0.5117,  
0.4883

256.9481, 0.3707,

 0.3190, 0.5587,

0.3831

0.4413

308.5828, 0.3674,  
0.3800

0.0000, 0.0000,  
0.0000

44.9841, 0.4134,  
0.4212

44.9841, 0.4134,  
0.4212

42.0673, 0.4340,  
0.4346

48.1445, 0.3926,  
0.4053

39.3770, 0.4533,  
0.4443

51.5515, 0.3722,  
0.3881

36.9037, 0.4703,  
0.4495

55.2160, 0.3530,  
0.3703

34.6333, 0.4843,  
0.4496

59.1461, 0.3351,  
0.3526

33.3596, 0.4916,  
0.4479

63.3497, 0.3188,  
0.3356

■ 67.8339, 0.3041,  
0.3195

■ 72.6057, 0.2909,  
0.3045

■ 76.9581, 0.2852,  
0.3013

■ 80.8126, 0.2856,  
0.3086

# Harmonies

## Analogous

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



44.9841, 0.4373, 0.3788



44.9841, 0.4134, 0.4212



44.9841, 0.3633, 0.4434

# Triad

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



44.9841, 0.4134, 0.4212



44.9841, 0.2119, 0.3111



44.9841, 0.3132, 0.2514

# Complementary

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



44.9841, 0.4134, 0.4212



24.2799, 0.2202, 0.2121

# 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.



44.9841, 0.2553, 0.2332



44.9841, 0.4134, 0.4212



44.9841, 0.2016, 0.2612

# Square

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



44.9841, 0.4134, 0.4212



44.9841, 0.2473, 0.3757



44.9841, 0.2166, 0.2354



44.9841, 0.3770, 0.2859



# Rectangle

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



44.9841, 0.4134, 0.4212



44.9841, 0.3228, 0.4382



44.9841, 0.2166, 0.2354



44.9841, 0.2924, 0.2432

# Sweetspot

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



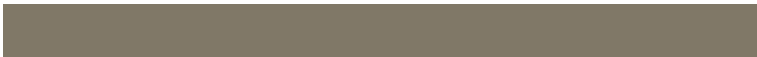
44.9862, 0.4134, 0.4212



89.4937, 0.3388, 0.3564



24.1428, 0.4160, 0.2829



18.8832, 0.3425, 0.3600



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.



44.9862, 0.4134, 0.4212



63.8801, 0.4373, 0.4365



58.6391, 0.3745, 0.4656



13.1244, 0.3274, 0.3447



20.3323, 0.4902, 0.4490



1.2777, 0.4741, 0.4618



# Inverse Universe

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



24.2799, 0.2202, 0.2121



28.9981, 0.2007, 0.1818



16.9638, 0.2237, 0.1633



12.0346, 0.2982, 0.3128



5.5297, 0.1630, 0.1068



0.4524, 0.1734, 0.1443



# Previews

## White Background



This preview shows how the Yxy color 44.9841, 0.4134, 0.4212 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

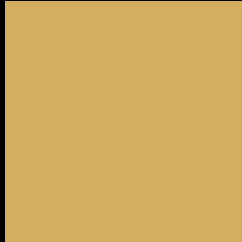
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9841, 0.4134, 0.4212 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 44.9841, 0.4134, 0.4212**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9841, 0.4134, 0.4212.



This preview shows how white text looks on a background with the Yxy color 44.9841, 0.4134, 0.4212.

# 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

44.9841, 0.4134, 0.4212

### Protanopia

45.0114, 0.3953, 0.4298

### Deuteranopia

45.0677, 0.4223, 0.4139



## Tritanopia

44.9900, 0.3520, 0.3148

# Trichromacy



## Original Color

44.9841, 0.4134, 0.4212

## Protanomaly

44.8827, 0.4021, 0.4268

## Deuteranomaly

44.9858, 0.4188, 0.4161

## Tritanomaly

44.5905, 0.3757, 0.3536

# Monochromacy



## Original Color

44.9841, 0.4134, 0.4212

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.5853, 0.3495, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9841, 0.4134, 0.4212 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, 174, 97)` looks like.

```
.text, #text, p{  
    color:rgb(211, 174, 97)  
}
```

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, 174, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 174, 97) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9841, 0.4134, 0.4212 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, 174, 97) }
```

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

```
.border{ border-color:rgb(211, 174, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 174, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 174, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 174, 97);  
box-shadow:4px 4px 4px 4px rgb(211, 174,  
97) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9841, 0.4134, 0.4212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 174, 97) }
```

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

```
.background{ background-color: rgb(211,  
174, 97) }
```

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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