

# Converting Colors

$Y_{xy}(44.1243, 0.4402, 0.4312)$

Have a look what the booklet for  
Yxy(44.1243, 0.4402, 0.4312)  
contains.

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# Color

**Yxy(44.1274, 0.4402, 0.4312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCA94D
RGB	220, 169, 77
RGB Percent	86%, 66%, 30%
CMY	0.1371, 0.3373, 0.6981
CMYK	0.00, 0.23, 0.65, 0.14
HSL	39°, 67%, 58%
HSV	39°, 65%, 86%
XYZ	45.0484, 44.1274, 13.1604
YIQ	173.7610, 59.9280, -17.8000

# Conversions

## Conversions Part 2

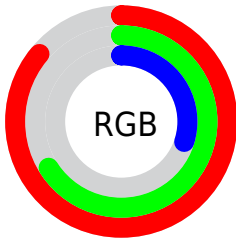
<b>Format</b>	<b>Color</b>
<b>RYB</b>	156, 220, 77
Decimal	14461261
CIELab	72.31, 9.18, 53.38
CIELCh	72, 54.162, 80.246
Yxy	44.1274, 0.4402, 0.4312
Android (android.graphics.Color)	4292651341 (0xFFDCA94D)
YUV	173.7610, -47.7032, 40.5516
Hunter-Lab	66.4285, 4.7999, 34.7537

# Details

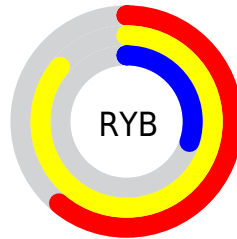
The Yxy color **44.1274, 0.4402, 0.4312** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **22.1878, 0.2032, 0.1902**, and the grayscale version is **42.4259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1563, 0.3999, 0.4238**, and **20.3615, 0.4694, 0.4505** is the 20% darker color. If you saturate the color by 10%, you get **41.0361, 0.4608, 0.4399**, and if you desaturate by 10%, it is **47.5034, 0.4184, 0.4188**.

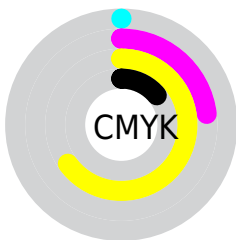
# Distribution



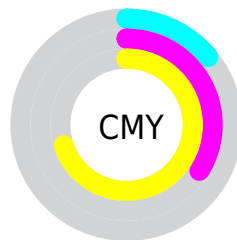
- Red (86%)
- Green (66%)
- Blue (30%)



- Red (61%)
- Yellow (86%)
- Blue (30%)



- Cyan (0%)
- Magenta (23%)
- Yellow (65%)
- Black (14%)




- Cyan (14%)
- Magenta (34%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1274, 0.4402, 0.4312 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 44.1274, 0.4402, 0.4312 by changing the saturation by 10% instead.





 44.1274, 0.4402,  
0.4312


 44.1274, 0.4402,  
0.4312


363.2279, 0.3789,  
0.3847

 30.7707, 0.4536,  
0.4404


 81.4094, 0.4191,  
0.4159


 20.4243, 0.4694,  
0.4504


 106.1035, 0.4108,  
0.4097


 12.7038, 0.4876,  
0.4607


 135.3455, 0.4036,  
0.4042

 7.2249, 0.5141,  
0.4752

 169.5198, 0.3974,  
0.3993

 3.6032, 0.5278,  
0.4722

 209.0108, 0.3919,  
0.3950

 1.4542, 0.5416,  
0.4584

254.2029, 0.3870,

 0.2561, 0.6460,

0.3912

0.3540

305.4804, 0.3827,  
0.3878

0.0000, 0.0000,  
0.0000

44.1274, 0.4402,  
0.4312

44.1274, 0.4402,  
0.4312

41.0361, 0.4608,  
0.4399

47.5034, 0.4184,  
0.4188

38.2090, 0.4790,  
0.4439

51.1702, 0.3965,  
0.4037

35.6314, 0.4941,  
0.4426

55.1413, 0.3754,  
0.3872

34.4267, 0.5008,  
0.4406

59.4273, 0.3554,  
0.3702

64.0380, 0.3371,  
0.3532

■ 68.9825, 0.3204,  
0.3369

■ 74.2698, 0.3055,  
0.3214

■ 79.9082, 0.2922,  
0.3070

■ 84.5493, 0.2913,  
0.3132

# Harmonies

## Analogous

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



44.1274, 0.4654, 0.3771



44.1274, 0.4402, 0.4312



44.1274, 0.3819, 0.4675

# Triad

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



44.1274, 0.4402, 0.4312



44.1274, 0.1956, 0.3164



44.1274, 0.3010, 0.2319

# Complementary

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



44.1274, 0.4402, 0.4312



22.1878, 0.2032, 0.1902

# 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.



44.1274, 0.2345, 0.2136



44.1274, 0.4402, 0.4312



44.1274, 0.1802, 0.2524

# Square

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



44.1274, 0.4402, 0.4312



44.1274, 0.2409, 0.3988



44.1274, 0.1935, 0.2190



44.1274, 0.3801, 0.2698



# Rectangle

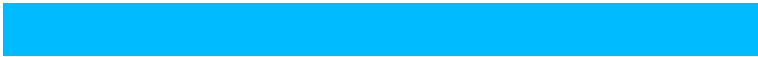
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.1274, 0.4402, 0.4312



44.1274, 0.3337, 0.4689



44.1274, 0.1935, 0.2190



44.1274, 0.2765, 0.2234

# Sweetspot

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



44.1296, 0.4402, 0.4312



86.0754, 0.3463, 0.3619



22.1216, 0.4434, 0.2712



18.0374, 0.3516, 0.3667



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.



44.1296, 0.4402, 0.4312



55.8446, 0.4677, 0.4419



64.1476, 0.3868, 0.4864



14.4416, 0.3276, 0.3440



20.4166, 0.4992, 0.4418



1.4832, 0.4828, 0.4548



# Inverse Universe

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



22.1878, 0.2032, 0.1902



23.2576, 0.1841, 0.1569



12.9637, 0.1990, 0.1264



13.3736, 0.2981, 0.3135



6.4629, 0.1653, 0.1149



0.5783, 0.1744, 0.1479



# Previews

## White Background



This preview shows how the Yxy color 44.1274, 0.4402, 0.4312 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 44.1274, 0.4402, 0.4312 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 44.1274, 0.4402, 0.4312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1274, 0.4402, 0.4312.



This preview shows how white text looks on a background with the Yxy color 44.1274, 0.4402, 0.4312.

# 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

44.1274, 0.4402, 0.4312

### Protanopia

44.2903, 0.4093, 0.4488

### Deuteranopia

44.1274, 0.4402, 0.4312



## Tritanopia

44.0674, 0.3678, 0.3152

# Trichromacy



**Original Color**

44.1274, 0.4402, 0.4312

**Protanomaly**

44.2036, 0.4198, 0.4427

**Deuteranomaly**

44.1274, 0.4402, 0.4312

**Tritanomaly**

43.8478, 0.3970, 0.3600

# Monochromacy



**Original Color**

44.1274, 0.4402, 0.4312

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

42.4455, 0.3594, 0.3730

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1274, 0.4402, 0.4312 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(220, 169, 77)` looks like.

```
.text, #text, p{  
    color:rgb(220, 169, 77)  
}
```

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(220, 169, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 169, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1274, 0.4402, 0.4312 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(220, 169, 77) }
```

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

```
.border{ border-color:rgb(220, 169, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 169, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 169, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 169, 77);  
box-shadow:4px 4px 4px 4px rgb(220, 169,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1274, 0.4402, 0.4312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 169, 77) }
```

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

```
.background{ background-color: rgb(220,  
169, 77) }
```

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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