

# Converting Colors

$Y_{xy}(41.2278, 0.4456, 0.4440)$

Have a look what the booklet for  
Yxy(41.2278, 0.4456, 0.4440)  
contains.

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# Color

**Yxy(41.2442, 0.4462, 0.4440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4A53D
RGB	212, 165, 61
RGB Percent	83%, 65%, 24%
CMY	0.1687, 0.3529, 0.7605
CMYK	0.00, 0.22, 0.71, 0.17
HSL	41°, 64%, 54%
HSV	41°, 71%, 83%
XYZ	41.4486, 41.2442, 10.1996
YIQ	167.1970, 61.3960, -22.3800

# Conversions

## Conversions Part 2

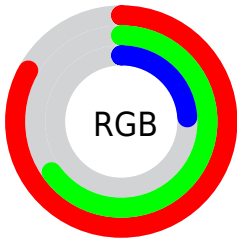
Format	Color
<b>RYB</b>	129, 212, 61
Decimal	13935933
CIELab	70.35, 6.98, 58.04
CIELCh	70, 58.460, 83.143
Yxy	41.2442, 0.4462, 0.4440
Android (android.graphics.Color)	4292126013 (0xFFD4A53D)
YUV	167.1970, -52.3551, 39.2922
Hunter-Lab	64.2216, 2.8158, 35.5388

# Details

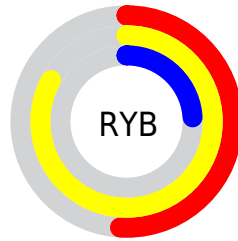
The Yxy color **41.2442, 0.4462, 0.4440** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **16.4824, 0.1916, 0.1646**, and the grayscale version is **38.9864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6613, 0.4110, 0.4333**, and **18.8069, 0.4720, 0.4634** is the 20% darker color. If you saturate the color by 10%, you get **38.7411, 0.4634, 0.4508**, and if you desaturate by 10%, it is **43.9645, 0.4269, 0.4329**.

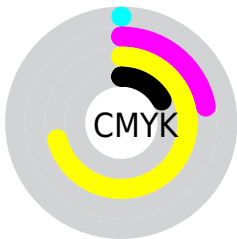
# Distribution



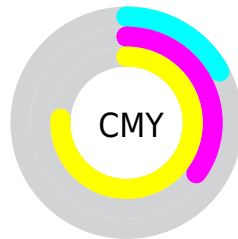
- Red (83%)
- Green (65%)
- Blue (24%)



- Red (51%)
- Yellow (83%)
- Blue (24%)



- Cyan (0%)
- Magenta (22%)
- Yellow (71%)
- Black (17%)




- Cyan (17%)
- Magenta (35%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2442, 0.4462, 0.4440 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 41.2442, 0.4462, 0.4440 by changing the saturation by 10% instead.





 41.2442, 0.4462,  
0.4440

 41.2442, 0.4462,  
0.4440

351.3402, 0.3826,  
0.3916


 28.5099, 0.4596,  
0.4540


 77.0545, 0.4246,  
0.4270

 18.7104, 0.4748,  
0.4647


 100.8993, 0.4160,  
0.4199


 11.4612, 0.4916,  
0.4750


 129.2164, 0.4085,  
0.4137

 6.3780, 0.5131,  
0.4869

 162.3902, 0.4020,  
0.4082

 3.0762, 0.5200,  
0.4800

 200.8050, 0.3962,  
0.4033

 1.1717, 0.5320,  
0.4680

244.8454, 0.3911,

 0.0384, 0.8435,

0.3990

0.1565

294.8957, 0.3866,  
0.3951

0.0000, 0.0000,  
0.0000

41.2442, 0.4462,  
0.4440

41.2442, 0.4462,  
0.4440

38.7411, 0.4634,  
0.4508

43.9645, 0.4269,  
0.4329

36.4359, 0.4778,  
0.4526

46.9072, 0.4066,  
0.4185

34.5530, 0.4881,  
0.4506

50.0844, 0.3862,  
0.4018

53.5052, 0.3664,  
0.3840

57.1781, 0.3476,  
0.3659

■ 61.1111, 0.3303,  
0.3481

■ 65.3115, 0.3145,  
0.3310

■ 69.7865, 0.3002,  
0.3149

■ 74.5427, 0.2875,  
0.2998

# Harmonies

## Analogous

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



41.2442, 0.4796, 0.3851



41.2442, 0.4462, 0.4440



41.2442, 0.3794, 0.4833

# Triad

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



41.2442, 0.4462, 0.4440



41.2442, 0.1820, 0.3058



41.2442, 0.3075, 0.2268

# Complementary

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



41.2442, 0.4462, 0.4440



16.4824, 0.1916, 0.1646

# 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.



41.2442, 0.2330, 0.2048



41.2442, 0.4462, 0.4440



41.2442, 0.1691, 0.2394

# Square

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



41.2442, 0.4462, 0.4440



41.2442, 0.2273, 0.3977



41.2442, 0.1863, 0.2074



41.2442, 0.3949, 0.2690



# Rectangle

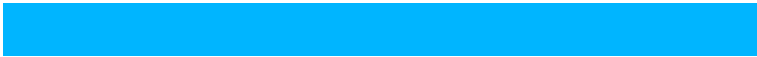
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.2442, 0.4462, 0.4440



41.2442, 0.3263, 0.4828



41.2442, 0.1863, 0.2074



41.2442, 0.2800, 0.2170

# Sweetspot

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



41.2462, 0.4462, 0.4440



86.8394, 0.3477, 0.3660



18.4411, 0.4760, 0.2780



18.2456, 0.3528, 0.3710



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.



41.2462, 0.4462, 0.4440



57.1651, 0.4706, 0.4523



57.6509, 0.3843, 0.5009



13.8373, 0.3274, 0.3450



21.5188, 0.4869, 0.4516



1.4424, 0.4724, 0.4631



# Inverse Universe

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



16.4824, 0.1916, 0.1646



17.8885, 0.1730, 0.1290



10.2079, 0.1936, 0.1120



12.6332, 0.2982, 0.3125



5.4978, 0.1621, 0.1034



0.4777, 0.1718, 0.1384



# Previews

## White Background



This preview shows how the Yxy color 41.2442, 0.4462, 0.4440 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 41.2442, 0.4462, 0.4440 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 41.2442, 0.4462, 0.4440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.2442, 0.4462, 0.4440.



This preview shows how white text looks on a background with the Yxy color 41.2442, 0.4462, 0.4440.

# 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

41.2442, 0.4462, 0.4440

### Protanopia

41.4525, 0.4187, 0.4618

### Deuteranopia

41.3349, 0.4500, 0.4414



## Tritanopia

41.2559, 0.3662, 0.3159

# Trichromacy



## Original Color

41.2442, 0.4462, 0.4440

## Protanomaly

41.2394, 0.4287, 0.4556

## Deuteranomaly

41.1840, 0.4491, 0.4419

## Tritanomaly

40.9537, 0.4000, 0.3672

# Monochromacy



## Original Color

41.2442, 0.4462, 0.4440

## Achromatopsia

38.6429, 0.3127, 0.3290

## Achromatomaly

38.8982, 0.3636, 0.3816

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.2442, 0.4462, 0.4440 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(212, 165, 61)` looks like.

```
.text, #text, p{  
    color:rgb(212, 165, 61)  
}
```

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(212, 165, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 165, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 41.2442, 0.4462, 0.4440 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(212, 165, 61) }
```

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

```
.border{ border-color:rgb(212, 165, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 165, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 165, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 165, 61);  
box-shadow:4px 4px 4px 4px rgb(212, 165,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.2442, 0.4462, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 165, 61) }
```

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

```
.background{ background-color: rgb(212,  
165, 61) }
```

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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