

Converting Colors

$Y_{xy}(41.5921, 0.4369, 0.4247)$

Have a look what the booklet for
Yxy(41.5921, 0.4369, 0.4247)
contains.

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Color

Yxy(41.5921, 0.4369, 0.4247)

Conversions

Conversions Part 1

Format	Color
Hex	D7A451
RGB	215, 164, 81
RGB Percent	84%, 64%, 32%
CMY	0.1568, 0.3569, 0.6824
CMYK	0.00, 0.24, 0.62, 0.16
HSL	37°, 63%, 58%
HSV	37°, 62%, 84%
XYZ	42.7869, 41.5921, 13.5539
YIQ	169.7870, 57.0390, -15.0010

Conversions

Conversions Part 2

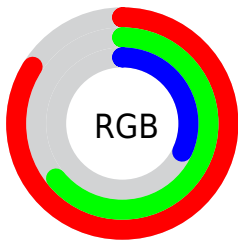
Format	Color
RYB	163, 215, 81
Decimal	14132305
CIELab	70.59, 9.97, 49.43
CIElCh	71, 50.426, 78.592
Yxy	41.5921, 0.4369, 0.4247
Android (android.graphics.Color)	4292322385 (0xFFD7A451)
YUV	169.7870, -43.7720, 39.6518
Hunter-Lab	64.4919, 5.5641, 32.6837

Details

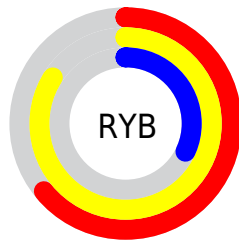
The Yxy color **41.5921, 0.4369, 0.4247** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.1560, 0.2087, 0.2021**, and the grayscale version is **40.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6165, 0.3998, 0.4157**, and **18.8502, 0.4679, 0.4425** is the 20% darker color. If you saturate the color by 10%, you get **38.4857, 0.4589, 0.4341**, and if you desaturate by 10%, it is **44.9931, 0.4142, 0.4119**.

Distribution



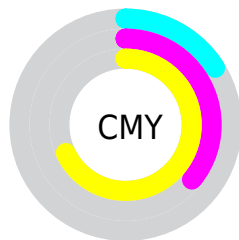
- Red (84%)
- Green (64%)
- Blue (32%)



- Red (64%)
- Yellow (84%)
- Blue (32%)



- Cyan (0%)
- Magenta (24%)
- Yellow (62%)
- Black (16%)





- Cyan (16%)
- Magenta (36%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5921, 0.4369, 0.4247 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 41.5921, 0.4369, 0.4247 by changing the saturation by 10% instead.


 41.5921, 0.4369,
0.4247

 41.5921, 0.4369,
0.4247


352.7892, 0.3760,
0.3805


 28.7820, 0.4507,
0.4337


 77.5819, 0.4156,
0.4100

 18.9160, 0.4672,
0.4436


 101.5304, 0.4073,
0.4040


 11.6096, 0.4866,
0.4540


 129.9606, 0.4002,
0.3988

 6.4784, 0.5149,
0.4684

 163.2567, 0.3941,
0.3942

 3.1381, 0.5332,
0.4668

 201.8033, 0.3887,
0.3902

 1.2043, 0.5497,
0.4503

245.9846, 0.3840,

 0.0652, 0.8241,

0.3866

0.1759

296.1851, 0.3798,
0.3834

0.0000, 0.0000,
0.0000

41.5921, 0.4369,
0.4247

41.5921, 0.4369,
0.4247

38.4857, 0.4589,
0.4341

44.9931, 0.4142,
0.4119

35.6543, 0.4790,
0.4389

48.6948, 0.3917,
0.3969

33.0842, 0.4961,
0.4386

52.7104, 0.3704,
0.3807

31.2732, 0.5073,
0.4354

57.0500, 0.3506,
0.3642

61.7236, 0.3325,
0.3480

■ 66.7401, 0.3163,
0.3325

■ 72.1085, 0.3018,
0.3179

■ 77.8369, 0.2889,
0.3043

■ 82.6135, 0.2881,
0.3109

Harmonies

Analogous

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



41.5921, 0.4581, 0.3729



41.5921, 0.4369, 0.4247



41.5921, 0.3829, 0.4598

Triad

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



41.5921, 0.4369, 0.4247



41.5921, 0.2026, 0.3216



41.5921, 0.2978, 0.2346

Complementary

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



41.5921, 0.4369, 0.4247



23.1560, 0.2087, 0.2021

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.



41.5921, 0.2353, 0.2182



41.5921, 0.4369, 0.4247



41.5921, 0.1859, 0.2590

Square

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



41.5921, 0.4369, 0.4247



41.5921, 0.2477, 0.3991



41.5921, 0.1972, 0.2250



41.5921, 0.3728, 0.2701

Rectangle

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



41.5921, 0.4369, 0.4247



41.5921, 0.3373, 0.4621



41.5921, 0.1972, 0.2250



41.5921, 0.2747, 0.2267

Sweetspot

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



41.5941, 0.4369, 0.4247



86.0573, 0.3447, 0.3591



22.0070, 0.4313, 0.2700



18.0048, 0.3501, 0.3638



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.



41.5941, 0.4369, 0.4247



55.1705, 0.4660, 0.4363



61.3935, 0.3867, 0.4802



13.6890, 0.3276, 0.3434



18.9135, 0.5056, 0.4367



1.2983, 0.4869, 0.4516

Inverse Universe

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



23.1560, 0.2087, 0.2021



26.0616, 0.1895, 0.1701



13.3099, 0.2026, 0.1342



12.7757, 0.2982, 0.3142



6.7178, 0.1671, 0.1217



0.5625, 0.1768, 0.1566

Previews

White Background



This preview shows how the Yxy color 41.5921, 0.4369, 0.4247 looks on a white background.

Color Contrast Check

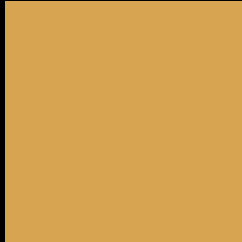
Large Text (above 18pt) WCAG AA × Fail

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 41.5921, 0.4369, 0.4247 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 41.5921, 0.4369, 0.4247

Background



This preview shows how black text looks on a background with the Yxy color 41.5921, 0.4369, 0.4247.



This preview shows how white text looks on a background with the Yxy color 41.5921, 0.4369, 0.4247.

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

41.5921, 0.4369, 0.4247

Protanopia

41.6036, 0.4044, 0.4424

Deuteranopia

41.8005, 0.4351, 0.4262



Tritanopia

41.7255, 0.3691, 0.3161

Trichromacy



Original Color

41.5921, 0.4369, 0.4247

Protanomaly

41.6533, 0.4161, 0.4360

Deuteranomaly

41.8005, 0.4351, 0.4262

Tritanomaly

41.2631, 0.3965, 0.3571

Monochromacy



Original Color

41.5921, 0.4369, 0.4247

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.2793, 0.3567, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5921, 0.4369, 0.4247 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(215, 164, 81)` looks like.

```
.text, #text, p{  
    color:rgb(215, 164, 81)  
}
```

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(215, 164, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 164, 81) }
```

Border

The CSS property to change the border of an element to Yxy 41.5921, 0.4369, 0.4247 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(215, 164, 81) }
```

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

```
.border{ border-color:rgb(215, 164, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 164, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 164, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 164, 81);  
box-shadow:4px 4px 4px 4px rgb(215, 164,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5921, 0.4369, 0.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 164, 81) }
```

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

```
.background{ background-color: rgb(215,  
164, 81) }
```

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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