

Converting Colors

$Y_{xy}(43.1903, 0.4498, 0.4370)$

Have a look what the booklet for
Yxy(43.1903, 0.4498, 0.4370)
contains.

Yxy(43.4029, 0.4498, 0.4375)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.4029, 0.4498, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	DDA742
RGB	221, 167, 66
RGB Percent	87%, 65%, 26%
CMY	0.1333, 0.3451, 0.7411
CMYK	0.00, 0.24, 0.70, 0.13
HSL	39°, 70%, 56%
HSV	39°, 70%, 87%
XYZ	44.6231, 43.4029, 11.1806
YIQ	171.6320, 64.6050, -19.9630

Conversions

Conversions Part 2

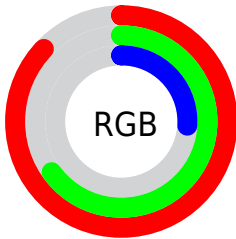
Format	Color
RYB	149, 221, 66
Decimal	14526274
CIELab	71.83, 10.04, 57.77
CIELCh	72, 58.638, 80.141
Yxy	43.4029, 0.4498, 0.4375
Android (android.graphics.Color)	4292716354 (0xFFDDA742)
YUV	171.6320, -52.0766, 43.2957
Hunter-Lab	65.8809, 5.6120, 36.0546

Details

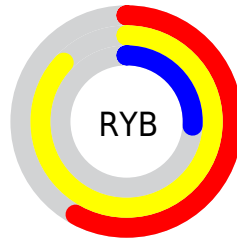
The Yxy color **43.4029, 0.4498, 0.4375** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **19.8159, 0.1950, 0.1755**, and the grayscale version is **41.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8345, 0.4070, 0.4308**, and **19.9472, 0.4805, 0.4555** is the 20% darker color. If you saturate the color by 10%, you get **40.4547, 0.4689, 0.4440**, and if you desaturate by 10%, it is **46.6241, 0.4288, 0.4267**.

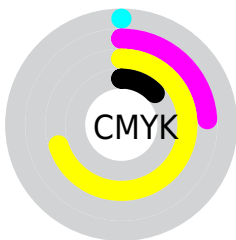
Distribution



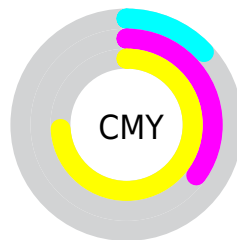
- Red (87%)
- Green (65%)
- Blue (26%)



- Red (58%)
- Yellow (87%)
- Blue (26%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (13%)





- Cyan (13%)
- Magenta (35%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4029, 0.4498, 0.4375 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 43.4029, 0.4498, 0.4375 by changing the saturation by 10% instead.


 43.4029, 0.4498,
0.4375


 43.4029, 0.4498,
0.4375


360.2661, 0.3845,
0.3891

 30.2014, 0.4637,
0.4465


 80.3185, 0.4276,
0.4220

 19.9915, 0.4796,
0.4560


 104.8014, 0.4188,
0.4155


 12.3889, 0.4974,
0.4649


 133.8134, 0.4111,
0.4097

 7.0091, 0.5229,
0.4771

 167.7391, 0.4044,
0.4046

 3.4678, 0.5321,
0.4679

 206.9629, 0.3985,
0.4001

 1.3806, 0.5474,
0.4526

251.8690, 0.3933,

 0.2023, 0.6837,

0.3960

0.3163

302.8419, 0.3887,
0.3923

0.0000, 0.0000,
0.0000

43.4029, 0.4498,
0.4375

43.4029, 0.4498,
0.4375

40.4547, 0.4689,
0.4440

46.6241, 0.4288,
0.4267

37.7577, 0.4853,
0.4455

50.1251, 0.4072,
0.4127

35.3209, 0.4985,
0.4424

53.9198, 0.3858,
0.3966

58.0191, 0.3653,
0.3795

62.4330, 0.3462,
0.3623

■ 67.1710, 0.3287,
0.3454

■ 72.2421, 0.3129,
0.3292

■ 77.6546, 0.2988,
0.3140

■ 82.7616, 0.2918,
0.3097

Harmonies

Analogous

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



43.4029, 0.4782, 0.3787



43.4029, 0.4498, 0.4375



43.4029, 0.3864, 0.4791

Triad

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



43.4029, 0.4498, 0.4375



43.4029, 0.1866, 0.3146



43.4029, 0.2993, 0.2248

Complementary

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



43.4029, 0.4498, 0.4375



19.8159, 0.1950, 0.1755

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.



43.4029, 0.2280, 0.2053



43.4029, 0.4498, 0.4375



43.4029, 0.1706, 0.2456

Square

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



43.4029, 0.4498, 0.4375



43.4029, 0.2347, 0.4057



43.4029, 0.1847, 0.2106



43.4029, 0.3855, 0.2649

Rectangle

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



43.4029, 0.4498, 0.4375



43.4029, 0.3344, 0.4824



43.4029, 0.1847, 0.2106



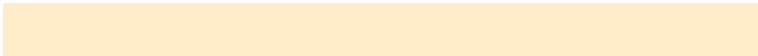
43.4029, 0.2728, 0.2158

Sweetspot

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



43.4050, 0.4498, 0.4375



85.6860, 0.3481, 0.3640



20.6332, 0.4641, 0.2722



17.9699, 0.3533, 0.3688



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.



43.4050, 0.4498, 0.4375



54.2093, 0.4767, 0.4453



64.0841, 0.3880, 0.4966



14.4604, 0.3275, 0.3442



20.7362, 0.4969, 0.4437



1.5024, 0.4811, 0.4562

Inverse Universe

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



19.8159, 0.1950, 0.1755



20.0480, 0.1766, 0.1408



11.2548, 0.1915, 0.1126



13.3555, 0.2981, 0.3133



6.3083, 0.1646, 0.1127



0.5668, 0.1738, 0.1457

Previews

White Background



This preview shows how the Yxy color 43.4029, 0.4498, 0.4375 looks on a white background.

Color Contrast Check

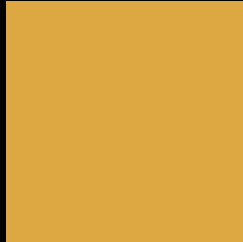
Large Text (above 18pt) WCAG AA × Fail

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 43.4029, 0.4498, 0.4375 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 43.4029, 0.4498, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 43.4029, 0.4498, 0.4375.



This preview shows how white text looks on a background with the Yxy color 43.4029, 0.4498, 0.4375.

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

43.4029, 0.4498, 0.4375

Protanopia

43.7443, 0.4168, 0.4579

Deuteranopia

43.6143, 0.4480, 0.4390



Tritanopia

43.4351, 0.3723, 0.3164

Trichromacy



Original Color

43.4029, 0.4498, 0.4375

Protanomaly

43.4263, 0.4293, 0.4499

Deuteranomaly

43.6143, 0.4480, 0.4390

Tritanomaly

43.1360, 0.4048, 0.3646

Monochromacy



Original Color

43.4029, 0.4498, 0.4375

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.3901, 0.3645, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4029, 0.4498, 0.4375 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(221, 167, 66)` looks like.

```
.text, #text, p{  
    color:rgb(221, 167, 66)  
}
```

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(221, 167, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 167, 66) }
```

Border

The CSS property to change the border of an element to Yxy 43.4029, 0.4498, 0.4375 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(221, 167, 66) }
```

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

```
.border{ border-color:rgb(221, 167, 66) }
```

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

Here you see how a box with a 4 pixel rgb(221, 167, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 167, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 167, 66);  
box-shadow:4px 4px 4px 4px rgb(221, 167,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4029, 0.4498, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 167, 66) }
```

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

```
.background{ background-color: rgb(221,  
167, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor