

Converting Colors

$Y_{xy}(41.6559, 0.4221, 0.4339)$

Have a look what the booklet for
Yxy(41.6559, 0.4221, 0.4339)
contains.

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Color

Yxy(41.8225, 0.4215, 0.4341)

Conversions

Conversions Part 1

Format	Color
Hex	CCA952
RGB	204, 169, 82
RGB Percent	80%, 66%, 32%
CMY	0.2001, 0.3372, 0.6785
CMYK	0.00, 0.17, 0.60, 0.20
HSL	43°, 54%, 56%
HSV	43°, 60%, 80%
XYZ	40.6086, 41.8225, 13.9119
YIQ	169.5470, 48.7870, -19.6370

Conversions

Conversions Part 2

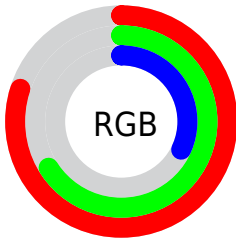
Format	Color
RYB	131, 204, 82
Decimal	13412690
CIELab	70.75, 2.67, 48.83
CIElCh	71, 48.906, 86.871
Yxy	41.8225, 0.4215, 0.4341
Android (android.graphics.Color)	4291602770 (0xFFCCA952)
YUV	169.5470, -43.1607, 30.2153
Hunter-Lab	64.6703, -1.0871, 32.5147

Details

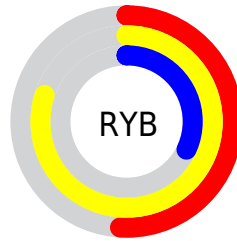
The Yxy color **41.8225, 0.4215, 0.4341** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **18.8642, 0.2089, 0.1901**, and the grayscale version is **40.1614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2925, 0.3968, 0.4193**, and **19.0246, 0.4476, 0.4568** is the 20% darker color. If you saturate the color by 10%, you get **39.4315, 0.4400, 0.4462**, and if you desaturate by 10%, it is **44.4071, 0.4020, 0.4189**.

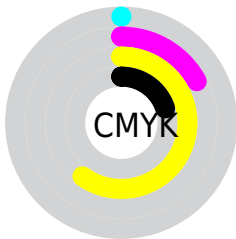
Distribution



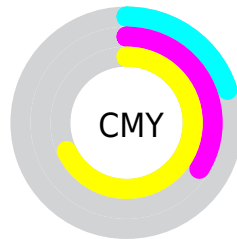
- Red (80%)
- Green (66%)
- Blue (32%)



- Red (51%)
- Yellow (80%)
- Blue (32%)



- Cyan (0%)
- Magenta (17%)
- Yellow (60%)
- Black (20%)




- Cyan (20%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8225, 0.4215, 0.4341 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 41.8225, 0.4215, 0.4341 by changing the saturation by 10% instead.


 41.8225, 0.4215,
0.4341


 41.8225, 0.4215,
0.4341


353.7466, 0.3687,
0.3838

 28.9623, 0.4333,
0.4450


 77.9309, 0.4032,
0.4169


 19.0523, 0.4472,
0.4577


 101.9480, 0.3960,
0.4100

 11.7081, 0.4634,
0.4720


 130.4527, 0.3898,
0.4041

 6.5452, 0.4863,
0.4918

 163.8296, 0.3844,
0.3990

 3.1794, 0.4998,
0.5002

 202.4631, 0.3797,
0.3945

 1.2261, 0.5045,
0.4955

246.7375, 0.3756,

 0.0828, 0.6347,

0.3905

0.3653

297.0372, 0.3719,
0.3870

0.0000, 0.0000,
0.0000

41.8225, 0.4215,
0.4341

41.8225, 0.4215,
0.4341

39.4315, 0.4400,
0.4462

44.4071, 0.4020,
0.4189

37.2183, 0.4565,
0.4541

47.1880, 0.3823,
0.4015

35.1737, 0.4702,
0.4572

50.1750, 0.3631,
0.3831

33.2781, 0.4812,
0.4560

53.3753, 0.3448,
0.3645

33.2424, 0.4814,
0.4559

56.7958, 0.3279,
0.3462

■ 60.4430, 0.3124,
0.3287

■ 64.3228, 0.2984,
0.3122

■ 68.4410, 0.2858,
0.2968

■ 72.1035, 0.2804,
0.2931

Harmonies

Analogous

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



41.8225, 0.4521, 0.3867



41.8225, 0.4215, 0.4341



41.8225, 0.3634, 0.4590

Triad

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



41.8225, 0.4215, 0.4341



41.8225, 0.1984, 0.3029



41.8225, 0.3181, 0.2450

Complementary

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



41.8225, 0.4215, 0.4341



18.8642, 0.2089, 0.1901

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.



41.8225, 0.2523, 0.2234



41.8225, 0.4215, 0.4341



41.8225, 0.1897, 0.2493

Square

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



41.8225, 0.4215, 0.4341



41.8225, 0.2352, 0.3765



41.8225, 0.2080, 0.2236



41.8225, 0.3900, 0.2839

Rectangle

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



41.8225, 0.4215, 0.4341



41.8225, 0.3178, 0.4518



41.8225, 0.2080, 0.2236



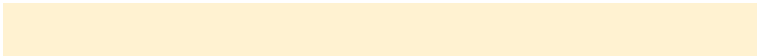
41.8225, 0.2944, 0.2356

Sweetspot

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



41.8245, 0.4215, 0.4341



89.2794, 0.3421, 0.3616



20.1894, 0.4398, 0.2844



18.7634, 0.3473, 0.3671



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.



41.8245, 0.4215, 0.4341



64.1365, 0.4454, 0.4492



53.4390, 0.3757, 0.4799



12.5321, 0.3273, 0.3455



21.0934, 0.4803, 0.4568



1.2139, 0.4658, 0.4684

Inverse Universe

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



18.8642, 0.2089, 0.1901



22.9968, 0.1879, 0.1549



13.4793, 0.2162, 0.1464



11.3591, 0.2983, 0.3120



4.8181, 0.1606, 0.0980



0.3801, 0.1716, 0.1379

Previews

White Background



This preview shows how the Yxy color 41.8225, 0.4215, 0.4341 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 41.8225, 0.4215, 0.4341 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 41.8225, 0.4215, 0.4341

Background



This preview shows how black text looks on a background with the Yxy color 41.8225, 0.4215, 0.4341.



This preview shows how white text looks on a background with the Yxy color 41.8225, 0.4215, 0.4341.

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

41.8225, 0.4215, 0.4341

Protanopia

41.7181, 0.4061, 0.4430

Deuteranopia

41.8309, 0.4336, 0.4243



Tritanopia

41.5854, 0.3523, 0.3143

Trichromacy



Original Color

41.8225, 0.4215, 0.4341

Protanomaly

41.8653, 0.4107, 0.4400

Deuteranomaly

41.5986, 0.4290, 0.4272

Tritanomaly

41.4684, 0.3794, 0.3595

Monochromacy



Original Color

41.8225, 0.4215, 0.4341

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.5295, 0.3521, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8225, 0.4215, 0.4341 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(204, 169, 82)` looks like.

```
.text, #text, p{  
    color:rgb(204, 169, 82)  
}
```

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(204, 169, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 169, 82) }
```

Border

The CSS property to change the border of an element to Yxy 41.8225, 0.4215, 0.4341 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(204, 169, 82) }
```

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

```
.border{ border-color:rgb(204, 169, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 169, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 169, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 169, 82);  
box-shadow:4px 4px 4px 4px rgb(204, 169,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8225, 0.4215, 0.4341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 169, 82) }
```

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

```
.background{ background-color: rgb(204,  
169, 82) }
```

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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