

Converting Colors

$Y_{xy}(43.5310, 0.4469, 0.4834)$

Have a look what the booklet for
Yxy(43.5310, 0.4469, 0.4834)
contains.

Yxy(43.4973, 0.4470, 0.4833)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.4973, 0.4470, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	CCAF00
RGB	204, 175, 0
RGB Percent	80%, 69%, 0%
CMY	0.2000, 0.3137, 1.0000
CMYK	0.00, 0.14, 1.00, 0.20
HSL	51°, 100%, 40%
HSV	51°, 100%, 80%
XYZ	40.2303, 43.4973, 6.2730
YIQ	163.7210, 73.4590, -48.2770

Conversions

Conversions Part 2

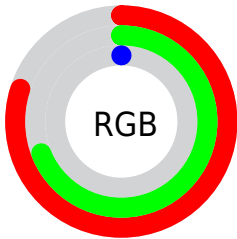
Format	Color
R _Y B	34, 204, 0
Decimal	13414144
CIE Lab	71.89, -3.43, 74.29
CIE LCh	72, 74.371, 92.643
Yxy	43.4973, 0.4470, 0.4833
Android (android.graphics.Color)	4291604224 (0xFFCCAF00)
YUV	163.7210, -80.7145, 35.3247
Hunter-Lab	65.9525, -6.5338, 40.5274

Details

The Yxy color **43.4973, 0.4470, 0.4833** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **5.2373, 0.1530, 0.0707**, and the grayscale version is **37.3508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4181, 0.4219, 0.4663**, and **20.1857, 0.4482, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **43.4996, 0.4470, 0.4833**, and if you desaturate by 10%, it is **44.6920, 0.4412, 0.4817**.

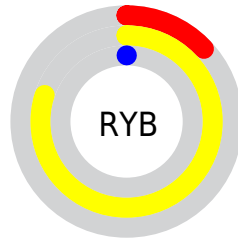
Distribution



Red (80%)

Green (69%)

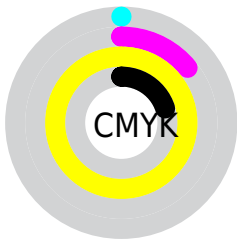
Blue (0%)



Red (13%)

Yellow (80%)

Blue (0%)

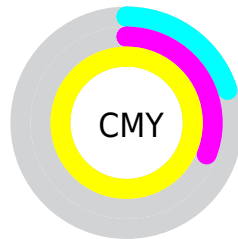


Cyan (0%)

Magenta (14%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4973, 0.4470, 0.4833 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 43.4973, 0.4470, 0.4833 by changing the saturation by 10% instead.


 43.4973, 0.4470,
0.4833


 43.4973, 0.4470,
0.4833


360.6529, 0.3889,
0.4147


 30.2755, 0.4565,
0.4954


 80.4608, 0.4293,
0.4618


 20.0478, 0.4656,
0.5075


 104.9712, 0.4215,
0.4526

 12.4298, 0.4769,
0.5231


 134.0134, 0.4145,
0.4444

 7.0371, 0.4748,
0.5252

 167.9716, 0.4083,
0.4371

 3.4853, 0.4714,
0.5286

 207.2302, 0.4026,
0.4305

 1.3900, 0.4656,
0.5344

 252.1737, 0.3976,

 0.2094, 0.3551,

0.4247

0.6449

303.1865, 0.3930,
0.4194

■ 0.0000, 0.0000,
0.0000

■ 43.4973, 0.4470,
0.4833

■ 43.4973, 0.4470,
0.4833

■ 43.4996, 0.4470,
0.4833

■ 44.6920, 0.4412,
0.4817

■ 45.9637, 0.4330,
0.4763

■ 47.3335, 0.4220,
0.4664

■ 48.8117, 0.4086,
0.4524

■ 50.4067, 0.3935,
0.4349

■ 52.1263, 0.3772,
0.4150

■ 53.9773, 0.3604,
0.3936

■ 55.9658, 0.3439,
0.3717

■ 58.0978, 0.3278,
0.3500

Harmonies

Analogous

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



43.4973, 0.5074, 0.4120



43.4973, 0.4470, 0.4833



43.4973, 0.3577, 0.5265

Triad

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



43.4973, 0.4470, 0.4833



43.4973, 0.1472, 0.2663



43.4973, 0.3388, 0.2201

Complementary

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



43.4973, 0.4470, 0.4833



5.2373, 0.1530, 0.0707

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.



43.4973, 0.2399, 0.1866



43.4973, 0.4470, 0.4833



43.4973, 0.1449, 0.2025

Square

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



43.4973, 0.4470, 0.4833



43.4973, 0.1858, 0.3762



43.4973, 0.1750, 0.1792



43.4973, 0.4465, 0.2745

Rectangle

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



43.4973, 0.4470, 0.4833



43.4973, 0.2932, 0.5133



43.4973, 0.1750, 0.1792



43.4973, 0.3029, 0.2063

Sweetspot

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



43.4996, 0.4470, 0.4833



89.2742, 0.3611, 0.3945



12.9333, 0.6206, 0.3192



18.8231, 0.3683, 0.4037



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.



43.4996, 0.4470, 0.4833



71.8016, 0.4474, 0.4830



48.1364, 0.3587, 0.5534



12.8143, 0.3269, 0.3487



27.4851, 0.4465, 0.4836



1.4943, 0.4404, 0.4885

Inverse Universe

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



5.2373, 0.1530, 0.0707



8.4959, 0.1526, 0.0694



5.7140, 0.1762, 0.0744



11.0969, 0.2982, 0.3085



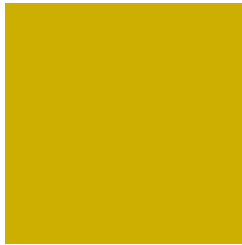
3.3789, 0.1534, 0.0722



0.2595, 0.1616, 0.1016

Previews

White Background



This preview shows how the Yxy color 43.4973, 0.4470, 0.4833 looks on a white background.

Color Contrast Check

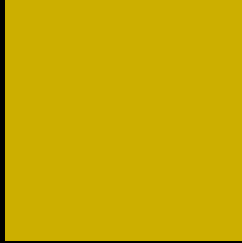
Large Text (above 18pt) WCAG AA × Fail

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 43.4973, 0.4470, 0.4833 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 43.4973, 0.4470, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 43.4973, 0.4470, 0.4833.

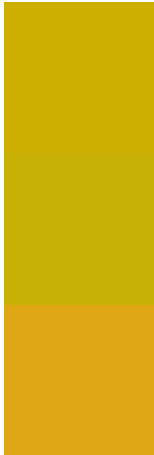


This preview shows how white text looks on a background with the Yxy color 43.4973, 0.4470, 0.4833.

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

43.4973, 0.4470, 0.4833

Protanopia

43.5995, 0.4396, 0.4876

Deuteranopia

43.3759, 0.4699, 0.4593



Tritanopia

43.5857, 0.3505, 0.3146

Trichromacy



Original Color

43.4973, 0.4470, 0.4833

Protanomaly

43.4769, 0.4427, 0.4856

Deuteranomaly

43.3774, 0.4616, 0.4682

Tritanomaly

42.4868, 0.4054, 0.3981

Monochromacy



Original Color

43.4973, 0.4470, 0.4833

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.5884, 0.3799, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4973, 0.4470, 0.4833 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, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 175, 0)  
}
```

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, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 175, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.4973, 0.4470, 0.4833 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, 175, 0) }
```

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

```
.border{ border-color:rgb(204, 175, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 175,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4973, 0.4470, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 175, 0) }
```

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

```
.background{ background-color: rgb(204,  
175, 0) }
```

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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