

Converting Colors

$Y_{xy}(47.8900, 0.4402, 0.5064)$

Have a look what the booklet for
Yxy(47.8900, 0.4402, 0.5064)
contains.

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Color

Yxy(48.0972, 0.4330, 0.4944)

Conversions

Conversions Part 1

Format	Color
Hex	CABB00
RGB	202, 187, 0
RGB Percent	79%, 73%, 0%
CMY	0.2079, 0.2666, 1.0000
CMYK	0.00, 0.07, 1.00, 0.21
HSL	56°, 100%, 40%
HSV	56°, 100%, 79%
XYZ	42.1240, 48.0972, 7.0628
YIQ	170.1670, 68.9670, -54.9770

Conversions

Conversions Part 2

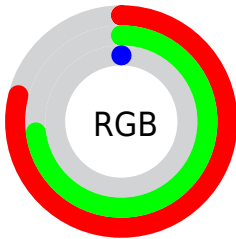
Format	Color
RYB	16, 202, 0
Decimal	13286144
CIELab	74.89, -10.54, 76.34
CIELCh	75, 77.065, 97.860
Yxy	48.0972, 0.4330, 0.4944
Android (android.graphics.Color)	4291476224 (0xFFCABB00)
YUV	170.1670, -83.8923, 27.9175
Hunter-Lab	69.3521, -12.9467, 42.5084

Details

The Yxy color **48.0972, 0.4330, 0.4944** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **4.6043, 0.1512, 0.0643**, and the grayscale version is **40.6878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9553, 0.4127, 0.4745**, and **22.8898, 0.4305, 0.4964** is the 20% darker color. If you saturate the color by 10%, you get **48.0995, 0.4330, 0.4944**, and if you desaturate by 10%, it is **48.7893, 0.4291, 0.4918**.

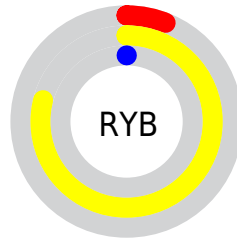
Distribution



Red (79%)

Green (73%)

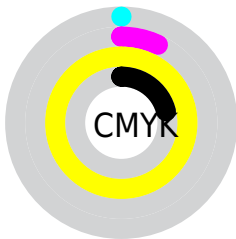
Blue (0%)



Red (6%)

Yellow (79%)

Blue (0%)

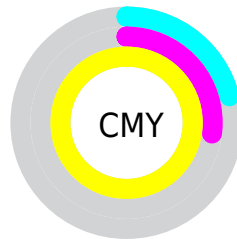


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (27%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0972, 0.4330, 0.4944 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 48.0972, 0.4330, 0.4944 by changing the saturation by 10% instead.


 48.0972, 0.4330,
0.4944


 48.0972, 0.4330,
0.4944


379.1773, 0.3831,
0.4199

 33.9039, 0.4405,
0.5082


 87.3491, 0.4183,
0.4706


 22.8198, 0.4472,
0.5227


 113.1765, 0.4118,
0.4606


 14.4605, 0.4554,
0.5418


 143.6506, 0.4058,
0.4517

 8.4416, 0.4505,
0.5495

 179.1560, 0.4003,
0.4439

 4.3788, 0.4413,
0.5587

 220.0769, 0.3954,
0.4369

 1.8876, 0.4260,
0.5740

 266.7979, 0.3909,

 0.5409, 0.3220,

0.4306

0.6780

319.7032, 0.3868,
0.4250

0.0000, 0.0000,
0.0000

48.0972, 0.4330,
0.4944

48.0972, 0.4330,
0.4944

48.0995, 0.4330,
0.4944

48.7893, 0.4291,
0.4918

49.5393, 0.4230,
0.4856

50.3679, 0.4142,
0.4749

51.2849, 0.4028,
0.4601

52.2986, 0.3895,
0.4418

■ 53.4164, 0.3747,
0.4209

■ 54.6447, 0.3591,
0.3982

■ 55.9895, 0.3432,
0.3749

■ 57.4563, 0.3277,
0.3516

Harmonies

Analogous

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



48.0972, 0.5005, 0.4249



48.0972, 0.4330, 0.4944



48.0972, 0.3409, 0.5276

Triad

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



48.0972, 0.4330, 0.4944



48.0972, 0.1441, 0.2516



48.0972, 0.3582, 0.2281

Complementary

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



48.0972, 0.4330, 0.4944



4.6043, 0.1512, 0.0643

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.



48.0972, 0.2548, 0.1904



48.0972, 0.4330, 0.4944



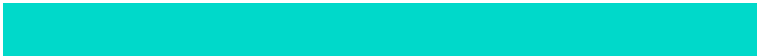
48.0972, 0.1476, 0.1956

Square

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



48.0972, 0.4330, 0.4944



48.0972, 0.1759, 0.3547



48.0972, 0.1834, 0.1782



48.0972, 0.4626, 0.2853

Rectangle

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



48.0972, 0.4330, 0.4944



48.0972, 0.2767, 0.5029



48.0972, 0.1834, 0.1782



48.0972, 0.3214, 0.2130

Sweetspot

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



48.0995, 0.4330, 0.4944



92.4498, 0.3597, 0.3992



12.5941, 0.6316, 0.3253



19.5935, 0.3664, 0.4090



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.



48.0995, 0.4330, 0.4944



81.3079, 0.4332, 0.4942



46.0720, 0.3482, 0.5617



12.9488, 0.3267, 0.3502



31.0148, 0.4328, 0.4946



1.6435, 0.4299, 0.4969

Inverse Universe

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



4.6043, 0.1512, 0.0643



7.6824, 0.1510, 0.0634



6.1556, 0.1866, 0.0802



10.9753, 0.2982, 0.3068



3.0139, 0.1515, 0.0653



0.2031, 0.1563, 0.0825

Previews

White Background



This preview shows how the Yxy color 48.0972, 0.4330, 0.4944 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 48.0972, 0.4330, 0.4944 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 48.0972, 0.4330, 0.4944

Background



This preview shows how black text looks on a background with the Yxy color 48.0972, 0.4330, 0.4944.

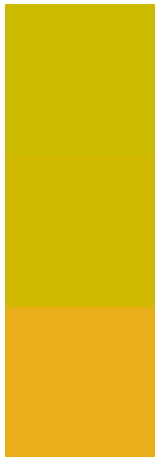


This preview shows how white text looks on a background with the Yxy color 48.0972, 0.4330, 0.4944.

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

48.0972, 0.4330, 0.4944

Protanopia

48.1078, 0.4404, 0.4886

Deuteranopia

48.0538, 0.4687, 0.4587



Tritanopia

48.0061, 0.3366, 0.3135

Trichromacy



Original Color

48.0972, 0.4330, 0.4944

Protanomaly

48.2396, 0.4376, 0.4908

Deuteranomaly

47.8072, 0.4569, 0.4714

Tritanomaly

47.1274, 0.3909, 0.4028

Monochromacy



Original Color

48.0972, 0.4330, 0.4944

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.0785, 0.3755, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0972, 0.4330, 0.4944 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(202, 187, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 187, 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(202, 187, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 187, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.0972, 0.4330, 0.4944 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(202, 187, 0) }
```

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

```
.border{ border-color:rgb(202, 187, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 187, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 187, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 187, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 187,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0972, 0.4330, 0.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 187, 0) }
```

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

```
.background{ background-color: rgb(202,  
187, 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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