

Converting Colors

$Y_{xy}(42.5303, 0.4405, 0.4884)$

Have a look what the booklet for
Yxy(42.5303, 0.4405, 0.4884)
contains.

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Color

Yxy(42.5303, 0.4405, 0.4884)

Conversions

Conversions Part 1

Format	Color
Hex	C5AF00
RGB	197, 175, 0
RGB Percent	77%, 69%, 0%
CMY	0.2274, 0.3137, 0.9994
CMYK	0.00, 0.11, 1.00, 0.23
HSL	53°, 100%, 39%
HSV	53°, 100%, 77%
XYZ	38.3591, 42.5303, 6.1915
YIQ	161.6280, 69.2870, -49.7610

Conversions

Conversions Part 2

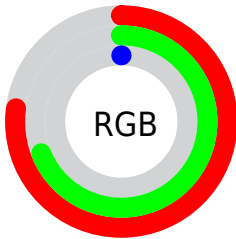
Format	Color
R _Y B	25, 197, 0
Decimal	12955392
CIE Lab	71.24, -6.51, 73.50
CIE LCh	71, 73.785, 95.065
Yxy	42.5303, 0.4405, 0.4884
Android (android.graphics.Color)	4291145472 (0xFFC5AF00)
YUV	161.6280, -79.6826, 31.0212
Hunter-Lab	65.2153, -9.1343, 40.0218

Details

The Yxy color **42.5303, 0.4405, 0.4884** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as dark washed orange. A complement of this color would be **4.6131, 0.1522, 0.0677**, and the grayscale version is **36.3138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4181, 0.4219, 0.4663**, and **19.5692, 0.4393, 0.4894** is the 20% darker color. If you saturate the color by 10%, you get **42.5251, 0.4405, 0.4884**, and if you desaturate by 10%, it is **43.4466, 0.4355, 0.4862**.

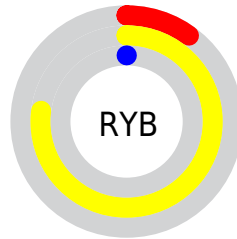
Distribution



Red (77%)

Green (69%)

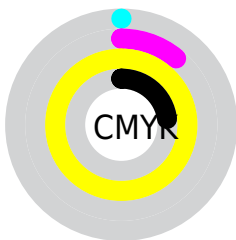
Blue (0%)



Red (10%)

Yellow (77%)

Blue (0%)

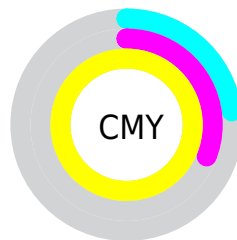


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (31%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5303, 0.4405, 0.4884 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 42.5303, 0.4405, 0.4884 by changing the saturation by 10% instead.

 42.5303, 0.4405,
0.4884

 42.5303, 0.4405,
0.4884


356.6766, 0.3854,
0.4161


 29.5168, 0.4493,
0.5016


 79.0016, 0.4239,
0.4653


 19.4721, 0.4574,
0.5151


 103.2281, 0.4165,
0.4556


 12.0119, 0.4673,
0.5327


 131.9611, 0.4099,
0.4470

 6.7518, 0.4630,
0.5370

 165.5849, 0.4039,
0.4393

 3.3074, 0.4563,
0.5437

 204.4840, 0.3986,
0.4325

 1.2942, 0.4447,
0.5553

 249.0427, 0.3937,

 0.1367, 0.0000,

0.4264

1.0000

299.6454, 0.3894,
0.4210

■ 0.0000, 0.0000,
0.0000

■ 42.5303, 0.4405,
0.4884

■ 42.5303, 0.4405,
0.4884

■ 42.5251, 0.4405,
0.4884

■ 43.4466, 0.4355,
0.4862

■ 44.4255, 0.4282,
0.4803

■ 45.4865, 0.4182,
0.4700

■ 46.6389, 0.4057,
0.4555

■ 47.8906, 0.3914,
0.4377

■ 49.2484, 0.3758,
0.4173

■ 50.7185, 0.3596,
0.3954

■ 52.3066, 0.3434,
0.3729

■ 54.0178, 0.3276,
0.3505

Harmonies

Analogous

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



42.5303, 0.5042, 0.4179



42.5303, 0.4405, 0.4884



42.5303, 0.3499, 0.5271

Triad

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



42.5303, 0.4405, 0.4884



42.5303, 0.1458, 0.2594



42.5303, 0.3477, 0.2239

Complementary

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



42.5303, 0.4405, 0.4884



4.6131, 0.1522, 0.0677

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.



42.5303, 0.2467, 0.1884



42.5303, 0.4405, 0.4884



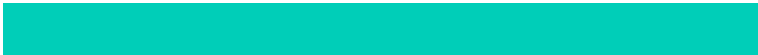
42.5303, 0.1462, 0.1993

Square

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



42.5303, 0.4405, 0.4884



42.5303, 0.1812, 0.3661



42.5303, 0.1789, 0.1788



42.5303, 0.4539, 0.2795

Rectangle

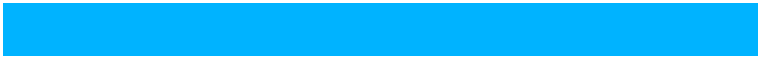
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.5303, 0.4405, 0.4884



42.5303, 0.2856, 0.5085



42.5303, 0.1789, 0.1788



42.5303, 0.3114, 0.2094

Sweetspot

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



42.5323, 0.4405, 0.4884



90.6775, 0.3605, 0.3966



11.9378, 0.6263, 0.3224



19.1631, 0.3674, 0.4061



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.



42.5323, 0.4405, 0.4884



75.9173, 0.4409, 0.4881



44.0434, 0.3535, 0.5574



12.2066, 0.3268, 0.3493



28.0435, 0.4402, 0.4887



1.3871, 0.4353, 0.4926

Inverse Universe

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



4.6131, 0.1522, 0.0677



8.0751, 0.1518, 0.0663



5.5561, 0.1815, 0.0774



10.4753, 0.2983, 0.3078



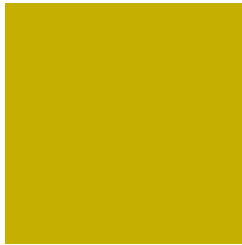
3.0922, 0.1525, 0.0688



0.2122, 0.1597, 0.0949

Previews

White Background



This preview shows how the Yxy color 42.5303, 0.4405, 0.4884 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 42.5303, 0.4405, 0.4884 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 42.5303, 0.4405, 0.4884

Background



This preview shows how black text looks on a background with the Yxy color 42.5303, 0.4405, 0.4884.



This preview shows how white text looks on a background with the Yxy color 42.5303, 0.4405, 0.4884.

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

42.5303, 0.4405, 0.4884

Protanopia

42.5325, 0.4404, 0.4883

Deuteranopia

42.1838, 0.4690, 0.4589



Tritanopia

42.5549, 0.3438, 0.3142

Trichromacy



Original Color

42.5303, 0.4405, 0.4884

Protanomaly

42.5325, 0.4404, 0.4883

Deuteranomaly

42.4047, 0.4590, 0.4699

Tritanomaly

41.4816, 0.3986, 0.4001

Monochromacy



Original Color

42.5303, 0.4405, 0.4884

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7307, 0.3772, 0.4192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5303, 0.4405, 0.4884 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(197, 175, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 175, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 175, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.5303, 0.4405, 0.4884 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(197, 175, 0) }
```

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

```
.border{ border-color:rgb(197, 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(197, 175, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 175, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 175, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 175,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5303, 0.4405, 0.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 175, 0) }
```

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

```
.background{ background-color: rgb(197,  
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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