

Converting Colors

$Y_{xy}(41.2389, 0.4554, 0.5003)$

Have a look what the booklet for
Yxy(41.2389, 0.4554, 0.5003)
contains.

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Color

Yxy(41.5108, 0.4446, 0.4852)

Conversions

Conversions Part 1

Format	Color
Hex	C6AC00
RGB	198, 172, 0
RGB Percent	78%, 67%, 0%
CMY	0.2236, 0.3254, 1.0000
CMYK	0.00, 0.13, 1.00, 0.22
HSL	52°, 100%, 39%
HSV	52°, 100%, 78%
XYZ	38.0373, 41.5108, 6.0059
YIQ	160.1660, 70.7080, -47.9800

Conversions

Conversions Part 2

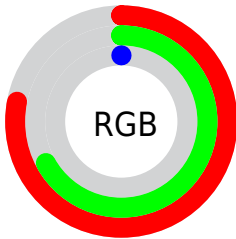
Format	Color
R _Y B	30, 198, 0
Decimal	13020160
CIE Lab	70.53, -4.52, 73.06
CIE LCh	71, 73.201, 93.541
Yxy	41.5108, 0.4446, 0.4852
Android (android.graphics.Color)	4291210240 (0xFFC6AC00)
YUV	160.1660, -78.9618, 33.1804
Hunter-Lab	64.4289, -7.3683, 39.5734

Details

The Yxy color **41.5108, 0.4446, 0.4852** 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 **4.8137, 0.1527, 0.0696**, and the grayscale version is **35.5821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7482, 0.4243, 0.4647**, and **18.9219, 0.4450, 0.4849** is the 20% darker color. If you saturate the color by 10%, you get **41.5129, 0.4446, 0.4852**, and if you desaturate by 10%, it is **42.5610, 0.4391, 0.4834**.

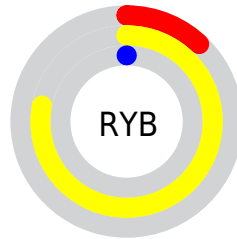
Distribution



Red (78%)

Green (67%)

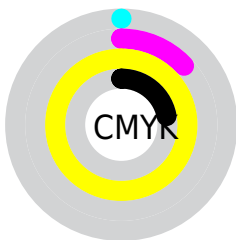
Blue (0%)



Red (12%)

Yellow (78%)

Blue (0%)

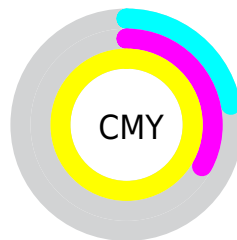


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (33%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5108, 0.4446, 0.4852 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 41.5108, 0.4446, 0.4852 by changing the saturation by 10% instead.

 41.5108, 0.4446,
0.4852


 41.5108, 0.4446,
0.4852


352.4510, 0.3872,
0.4147


 28.7184, 0.4540,
0.4978


 77.4587, 0.4271,
0.4629

 18.8679, 0.4628,
0.5106


 101.3830, 0.4194,
0.4534

 11.5749, 0.4733,
0.5267


 129.7868, 0.4125,
0.4450

 6.4549, 0.4702,
0.5298

 163.0544, 0.4063,
0.4375

 3.1236, 0.4655,
0.5345

 201.5702, 0.4007,
0.4308

 1.1966, 0.4572,
0.5428

 245.7186, 0.3957,

 0.0589, 0.0000,

0.4248

1.0000

295.8841, 0.3912,
0.4195

■ 0.0000, 0.0000,
0.0000

■ 41.5108, 0.4446,
0.4852

■ 41.5108, 0.4446,
0.4852

■ 41.5129, 0.4446,
0.4852

■ 42.5610, 0.4391,
0.4834

■ 43.6793, 0.4312,
0.4778

■ 44.8860, 0.4206,
0.4677

■ 46.1903, 0.4075,
0.4535

■ 47.6003, 0.3927,
0.4358

■ 49.1229, 0.3766,
0.4158

■ 50.7645, 0.3601,
0.3943

■ 52.5308, 0.3437,
0.3722

■ 54.4273, 0.3278,
0.3502

Harmonies

Analogous

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



41.5108, 0.5063, 0.4142



41.5108, 0.4446, 0.4852



41.5108, 0.3548, 0.5268

Triad

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



41.5108, 0.4446, 0.4852



41.5108, 0.1467, 0.2637



41.5108, 0.3421, 0.2215

Complementary

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



41.5108, 0.4446, 0.4852



4.8137, 0.1527, 0.0696

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.



41.5108, 0.2424, 0.1873



41.5108, 0.4446, 0.4852



41.5108, 0.1454, 0.2013

Square

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



41.5108, 0.4446, 0.4852



41.5108, 0.1841, 0.3724



41.5108, 0.1764, 0.1790



41.5108, 0.4493, 0.2764

Rectangle

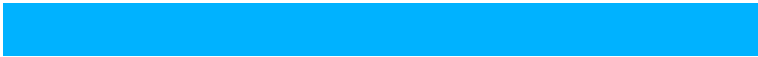
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5108, 0.4446, 0.4852



41.5108, 0.2904, 0.5116



41.5108, 0.1764, 0.1790



41.5108, 0.3060, 0.2074

Sweetspot

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



41.5129, 0.4446, 0.4852



89.7786, 0.3609, 0.3953



12.0795, 0.6235, 0.3208



18.9452, 0.3680, 0.4046



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.



41.5129, 0.4446, 0.4852



73.2653, 0.4450, 0.4849



44.7685, 0.3561, 0.5554



12.1705, 0.3268, 0.3489



27.0924, 0.4442, 0.4855



1.3506, 0.4383, 0.4902

Inverse Universe

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



4.8137, 0.1527, 0.0696



8.3327, 0.1523, 0.0682



5.4769, 0.1788, 0.0759



10.5080, 0.2983, 0.3083



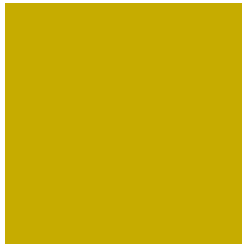
3.2029, 0.1531, 0.0710



0.2272, 0.1613, 0.1005

Previews

White Background



This preview shows how the Yxy color 41.5108, 0.4446, 0.4852 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 41.5108, 0.4446, 0.4852 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 41.5108, 0.4446, 0.4852

Background



This preview shows how black text looks on a background with the Yxy color 41.5108, 0.4446, 0.4852.



This preview shows how white text looks on a background with the Yxy color 41.5108, 0.4446, 0.4852.

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

41.5108, 0.4446, 0.4852

Protanopia

41.4980, 0.4402, 0.4875

Deuteranopia

41.5069, 0.4688, 0.4598



Tritanopia

41.5301, 0.3482, 0.3142

Trichromacy



Original Color

41.5108, 0.4446, 0.4852

Protanomaly

41.6295, 0.4413, 0.4870

Deuteranomaly

41.5154, 0.4604, 0.4690

Tritanomaly

40.4924, 0.4031, 0.3987

Monochromacy



Original Color

41.5108, 0.4446, 0.4852

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5089, 0.3786, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5108, 0.4446, 0.4852 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(198, 172, 0)` looks like.

```
.text, #text, p{  
  color:rgb(198, 172, 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(198, 172, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 172, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.5108, 0.4446, 0.4852 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(198, 172, 0) }
```

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

```
.border{ border-color:rgb(198, 172, 0) }
```

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

Here you see how a box with a 4 pixel rgb(198, 172, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 172, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 172, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 172,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 41.5108, 0.4446, 0.4852$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 172, 0) }
```

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

```
.background{ background-color: rgb(198,  
172, 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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