

Converting Colors

$Y_{xy}(41.6877, 0.4414, 0.4877)$

Have a look what the booklet for
Yxy(41.6877, 0.4414, 0.4877)
contains.

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Color

Yxy(41.6229, 0.4417, 0.4875)

Conversions

Conversions Part 1

Format	Color
Hex	C4AD00
RGB	196, 173, 0
RGB Percent	77%, 68%, 0%
CMY	0.2313, 0.3216, 1.0000
CMYK	0.00, 0.12, 1.00, 0.23
HSL	53°, 100%, 38%
HSV	53°, 100%, 77%
XYZ	37.7125, 41.6229, 6.0449
YIQ	160.1550, 69.2410, -48.9270

Conversions

Conversions Part 2

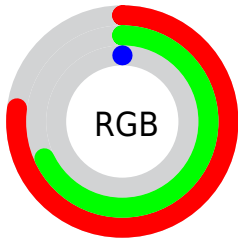
Format	Color
R _Y B	26, 196, 0
Decimal	12889344
CIE Lab	70.61, -5.91, 73.03
CIE LCh	71, 73.270, 94.625
Yxy	41.6229, 0.4417, 0.4875
Android (android.graphics.Color)	4291079424 (0xFFC4AD00)
YUV	160.1550, -78.9564, 31.4361
Hunter-Lab	64.5158, -8.5611, 39.6058

Details

The Yxy color **41.6229, 0.4417, 0.4875** 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 **4.6002, 0.1523, 0.0682**, and the grayscale version is **35.5790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2969, 0.4237, 0.4654**, and **18.9931, 0.4409, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **41.6250, 0.4417, 0.4875**, and if you desaturate by 10%, it is **42.5647, 0.4366, 0.4854**.

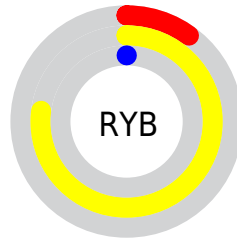
Distribution



Red (77%)

Green (68%)

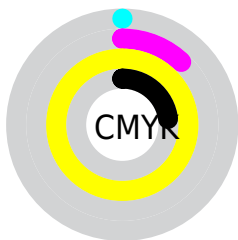
Blue (0%)



Red (10%)

Yellow (77%)

Blue (0%)

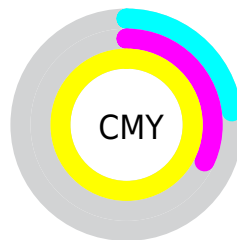


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (23%)



Cyan (23%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6229, 0.4417, 0.4875 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 41.6229, 0.4417, 0.4875 by changing the saturation by 10% instead.


 41.6229, 0.4417,
0.4875

 41.6229, 0.4417,
0.4875

352.9173, 0.3858,
0.4155


 28.8061, 0.4507,
0.5006


 77.6286, 0.4247,
0.4645

 18.9342, 0.4590,
0.5140


 101.5863, 0.4173,
0.4549


 11.6227, 0.4690,
0.5310


 130.0264, 0.4105,
0.4463

 6.4874, 0.4650,
0.5350

 163.3334, 0.4045,
0.4386

 3.1436, 0.4588,
0.5412

 201.8915, 0.3991,
0.4319

 1.2072, 0.4478,
0.5522

 246.0853, 0.3942,

 0.0675, 0.0000,

0.4258

1.0000

296.2991, 0.3898,
0.4204

■ 0.0000, 0.0000,
0.0000

■ 41.6229, 0.4417,
0.4875

■ 41.6229, 0.4417,
0.4875

■ 41.6250, 0.4417,
0.4875

■ 42.5647, 0.4366,
0.4854

■ 43.5693, 0.4291,
0.4796

■ 44.6565, 0.4189,
0.4694

■ 45.8353, 0.4063,
0.4550

■ 47.1137, 0.3918,
0.4372

■ 48.4982, 0.3761,
0.4169

■ 49.9952, 0.3598,
0.3952

■ 51.6101, 0.3435,
0.3728

■ 53.3482, 0.3277,
0.3505

Harmonies

Analogous

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



41.6229, 0.5048, 0.4169



41.6229, 0.4417, 0.4875



41.6229, 0.3513, 0.5270

Triad

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



41.6229, 0.4417, 0.4875



41.6229, 0.1460, 0.2606



41.6229, 0.3461, 0.2232

Complementary

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



41.6229, 0.4417, 0.4875



4.6002, 0.1523, 0.0682

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.



41.6229, 0.2455, 0.1881



41.6229, 0.4417, 0.4875



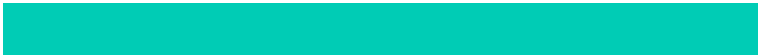
41.6229, 0.1459, 0.1998

Square

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



41.6229, 0.4417, 0.4875



41.6229, 0.1820, 0.3679



41.6229, 0.1782, 0.1788



41.6229, 0.4526, 0.2786

Rectangle

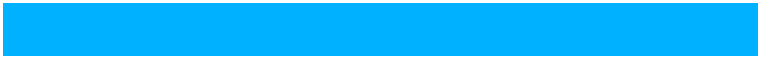
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.6229, 0.4417, 0.4875



41.6229, 0.2870, 0.5095



41.6229, 0.1782, 0.1788



41.6229, 0.3098, 0.2088

Sweetspot

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



41.6250, 0.4417, 0.4875



90.4151, 0.3606, 0.3962



11.8138, 0.6234, 0.3208



19.0995, 0.3676, 0.4056



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.



41.6250, 0.4417, 0.4875



75.1375, 0.4421, 0.4872



43.7853, 0.3562, 0.5554



11.5498, 0.3268, 0.3491



26.8218, 0.4413, 0.4878



1.2172, 0.4358, 0.4922

Inverse Universe

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



4.6002, 0.1523, 0.0682



8.1460, 0.1519, 0.0668



5.3594, 0.1789, 0.0759



9.9343, 0.2983, 0.3080



3.0222, 0.1527, 0.0696



0.1952, 0.1607, 0.0983

Previews

White Background



This preview shows how the Yxy color 41.6229, 0.4417, 0.4875 looks on a white background.

Color Contrast Check

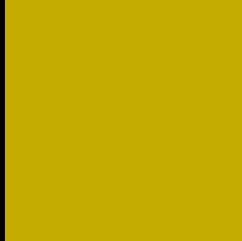
Large Text (above 18pt) WCAG AA × Fail

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 41.6229, 0.4417, 0.4875 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 41.6229, 0.4417, 0.4875

Background



This preview shows how black text looks on a background with the Yxy color 41.6229, 0.4417, 0.4875.



This preview shows how white text looks on a background with the Yxy color 41.6229, 0.4417, 0.4875.

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

41.6229, 0.4417, 0.4875

Protanopia

41.4958, 0.4403, 0.4877

Deuteranopia

41.5105, 0.4686, 0.4596



Tritanopia

41.6287, 0.3451, 0.3141

Trichromacy



Original Color

41.6229, 0.4417, 0.4875

Protanomaly

41.4936, 0.4405, 0.4879

Deuteranomaly

41.3681, 0.4595, 0.4697

Tritanomaly

40.5926, 0.3996, 0.3993

Monochromacy



Original Color

41.6229, 0.4417, 0.4875

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7538, 0.3770, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6229, 0.4417, 0.4875 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(196, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(196, 173, 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(196, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.6229, 0.4417, 0.4875 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(196, 173, 0) }
```

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

```
.border{ border-color:rgb(196, 173, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(196, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6229, 0.4417, 0.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 173, 0) }
```

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

```
.background{ background-color: rgb(196,  
173, 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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