

Converting Colors

$Y_{xy}(41.4810, 0.4617, 0.4716)$

Have a look what the booklet for
Yxy(41.4810, 0.4617, 0.4716)
contains.

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Color

Yxy(41.4863, 0.4621, 0.4713)

Conversions

Conversions Part 1

Format	Color
Hex	D3A700
RGB	211, 167, 0
RGB Percent	83%, 65%, 0%
CMY	0.1727, 0.3450, 1.0000
CMYK	0.00, 0.21, 1.00, 0.17
HSL	47°, 100%, 41%
HSV	47°, 100%, 83%
XYZ	40.6765, 41.4863, 5.8625
YIQ	161.1180, 79.8310, -42.6090

Conversions

Conversions Part 2

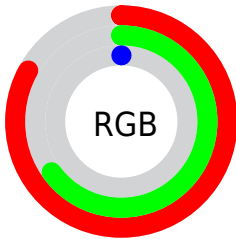
Format	Color
RYB	56, 211, 0
Decimal	13870848
CIELab	70.52, 3.88, 73.64
CIELCh	71, 73.745, 86.981
Yxy	41.4863, 0.4621, 0.4713
Android (android.graphics.Color)	4292060928 (0xFFD3A700)
YUV	161.1180, -79.4312, 43.7465
Hunter-Lab	64.4099, 0.0100, 39.6904

Details

The Yxy color **41.4863, 0.4621, 0.4713** 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 **6.4996, 0.1555, 0.0799**, and the grayscale version is **36.0478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0526, 0.4278, 0.4609**, and **19.0701, 0.4664, 0.4679** is the 20% darker color. If you saturate the color by 10%, you get **41.4884, 0.4621, 0.4713**, and if you desaturate by 10%, it is **43.1811, 0.4542, 0.4711**.

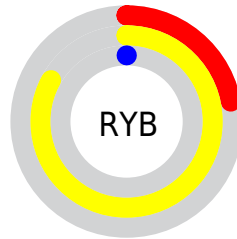
Distribution



Red (83%)

Green (65%)

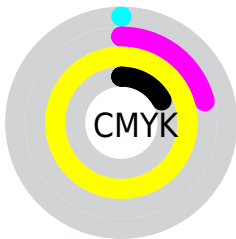
Blue (0%)



Red (22%)

Yellow (83%)

Blue (0%)

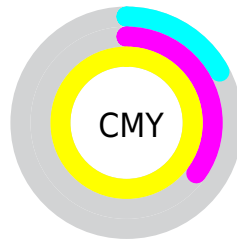


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4863, 0.4621, 0.4713 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 41.4863, 0.4621, 0.4713 by changing the saturation by 10% instead.

41.4863, 0.4621,
0.4713

41.4863, 0.4621,
0.4713

352.3490, 0.3956,
0.4099

28.6993, 0.4737,
0.4812

77.4216, 0.4413,
0.4527

18.8534, 0.4852,
0.4903

101.3386, 0.4324,
0.4446

11.5644, 0.4992,
0.5008

129.7344, 0.4245,
0.4372

6.4478, 0.5017,
0.4983

162.9934, 0.4174,
0.4305

3.1193, 0.5056,
0.4944

201.4999, 0.4110,
0.4246

1.1943, 0.5124,
0.4876

245.6385, 0.4054,


0.0570, 0.7232,


0.4192


0.2768


 295.7934, 0.4002,
0.4143


 0.0000, 0.0000,
0.0000


 41.4863, 0.4621,
0.4713


 41.4863, 0.4621,
0.4713


 41.4884, 0.4621,
0.4713

 43.1811, 0.4542,
0.4711

 44.9886, 0.4437,
0.4667

 46.9315, 0.4303,
0.4577

 49.0211, 0.4147,
0.4445

 51.2672, 0.3976,
0.4280

■ 53.6784, 0.3798,
0.4092

■ 56.2625, 0.3619,
0.3892

■ 59.0265, 0.3445,
0.3687

■ 61.9771, 0.3281,
0.3485

Harmonies

Analogous

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



41.4863, 0.5146, 0.3983



41.4863, 0.4621, 0.4713



41.4863, 0.3758, 0.5242

Triad

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



41.4863, 0.4621, 0.4713



41.4863, 0.1505, 0.2833



41.4863, 0.3182, 0.2113

Complementary

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



41.4863, 0.4621, 0.4713



6.4996, 0.1555, 0.0799

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.



41.4863, 0.2242, 0.1823



41.4863, 0.4621, 0.4713



41.4863, 0.1419, 0.2102

Square

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



41.4863, 0.4621, 0.4713



41.4863, 0.1967, 0.4004



41.4863, 0.1660, 0.1802



41.4863, 0.4286, 0.2626

Rectangle

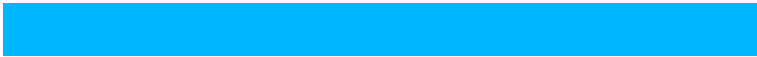
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.4863, 0.4621, 0.4713



41.4863, 0.3112, 0.5231



41.4863, 0.1660, 0.1802



41.4863, 0.2834, 0.1988

Sweetspot

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



41.4884, 0.4621, 0.4713



86.2638, 0.3625, 0.3898



14.0396, 0.6049, 0.3106



18.0957, 0.3701, 0.3985



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.



41.4884, 0.4621, 0.4713



63.4417, 0.4626, 0.4709



53.1722, 0.3697, 0.5447



13.3619, 0.3271, 0.3473



25.1977, 0.4613, 0.4719



1.5166, 0.4522, 0.4792

Inverse Universe

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



6.4996, 0.1555, 0.0799



9.7778, 0.1551, 0.0785



5.6554, 0.1675, 0.0696



11.8111, 0.2982, 0.3100



4.0442, 0.1561, 0.0820



0.3432, 0.1656, 0.1163

Previews

White Background



This preview shows how the Yxy color 41.4863, 0.4621, 0.4713 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 41.4863, 0.4621, 0.4713 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 41.4863, 0.4621, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 41.4863, 0.4621, 0.4713.



This preview shows how white text looks on a background with the Yxy color 41.4863, 0.4621, 0.4713.

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

41.4863, 0.4621, 0.4713

Protanopia

41.5112, 0.4395, 0.4864

Deuteranopia

41.4854, 0.4701, 0.4614



Tritanopia

41.2928, 0.3651, 0.3147

Trichromacy



Original Color

41.4863, 0.4621, 0.4713

Protanomaly

41.5565, 0.4478, 0.4810

Deuteranomaly

41.3749, 0.4669, 0.4653

Tritanomaly

40.4358, 0.4209, 0.3929

Monochromacy



Original Color

41.4863, 0.4621, 0.4713

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.7374, 0.3843, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4863, 0.4621, 0.4713 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(211, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(211, 167, 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(211, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.4863, 0.4621, 0.4713 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(211, 167, 0) }
```

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

```
.border{ border-color:rgb(211, 167, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(211, 167,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4863, 0.4621, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 167, 0) }
```

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

```
.background{ background-color: rgb(211,  
167, 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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