

Converting Colors

$Y_{xy}(41.8995, 0.4853, 0.4697)$

Have a look what the booklet for
Yxy(41.8995, 0.4853, 0.4697)
contains.

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Color

Yxy(41.8824, 0.4773, 0.4592)

Conversions

Conversions Part 1

Format	Color
Hex	DFA300
RGB	223, 163, 0
RGB Percent	87%, 64%, 0%
CMY	0.1254, 0.3608, 0.9997
CMYK	0.00, 0.27, 1.00, 0.13
HSL	44°, 100%, 44%
HSV	44°, 100%, 87%
XYZ	43.5333, 41.8824, 5.7917
YIQ	162.3580, 88.0830, -37.9730

Conversions

Conversions Part 2

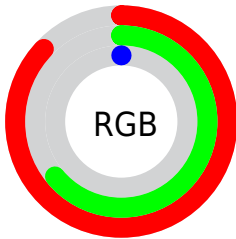
Format	Color
R _Y B	82, 223, 0
Decimal	14656256
CIE Lab	70.79, 11.32, 74.42
CIE LCh	71, 75.278, 81.349
Yxy	41.8824, 0.4773, 0.4592
Android (android.graphics.Color)	4292846336 (0xFFDFA300)
YUV	162.3580, -80.0425, 53.1830
Hunter-Lab	64.7166, 6.8184, 39.9956

Details

The Yxy color **41.8824, 0.4773, 0.4592** 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 **8.5720, 0.1586, 0.0910**, and the grayscale version is **36.6666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9386, 0.4311, 0.4584**, and **19.2697, 0.4859, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **41.8762, 0.4773, 0.4592**, and if you desaturate by 10%, it is **44.1269, 0.4672, 0.4604**.

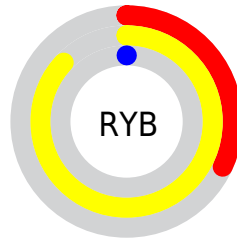
Distribution



Red (87%)

Green (64%)

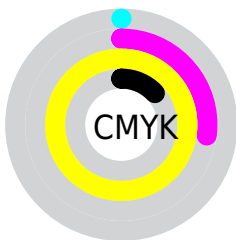
Blue (0%)



Red (32%)

Yellow (87%)

Blue (0%)

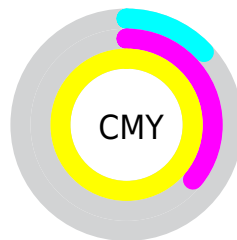


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8824, 0.4773, 0.4592 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 41.8824, 0.4773, 0.4592 by changing the saturation by 10% instead.

 41.8824, 0.4773,
0.4592

 41.8824, 0.4773,
0.4592


353.9952, 0.4033,
0.4059


 29.0092, 0.4907,
0.4667


 78.0216, 0.4538,
0.4439


 19.0878, 0.5045,
0.4728


 102.0564, 0.4439,
0.4369

 11.7337, 0.5212,
0.4788

 130.5806, 0.4351,
0.4304

 6.5626, 0.5282,
0.4718

 163.9785, 0.4272,
0.4246

 3.1901, 0.5389,
0.4611

 202.6345, 0.4202,
0.4192

 1.2318, 0.5572,
0.4428

 246.9330, 0.4139,


 0.0874, 0.8044,


0.4143

 297.2585, 0.4083,
0.4099


0.1956

 0.0000, 0.0000,
0.0000

 41.8824, 0.4773,
0.4592

 41.8824, 0.4773,
0.4592


 41.8762, 0.4773,
0.4592

 44.1269, 0.4672,
0.4604

 46.5402, 0.4543,
0.4573

 49.1480, 0.4386,
0.4493

 51.9640, 0.4207,
0.4370

 55.0001, 0.4017,
0.4215

■ 58.2668, 0.3823,
0.4038

■ 61.7738, 0.3633,
0.3850

■ 65.5298, 0.3451,
0.3658

■ 69.5431, 0.3282,
0.3470

Harmonies

Analogous

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



41.8824, 0.5216, 0.3847



41.8824, 0.4773, 0.4592



41.8824, 0.3940, 0.5208

Triad

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



41.8824, 0.4773, 0.4592



41.8824, 0.1539, 0.3018



41.8824, 0.2979, 0.2023

Complementary

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



41.8824, 0.4773, 0.4592



8.5720, 0.1586, 0.0910

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.



41.8824, 0.2090, 0.1778



41.8824, 0.4773, 0.4592



41.8824, 0.1388, 0.2185

Square

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



41.8824, 0.4773, 0.4592



41.8824, 0.2080, 0.4258



41.8824, 0.1570, 0.1811



41.8824, 0.4102, 0.2504

Rectangle

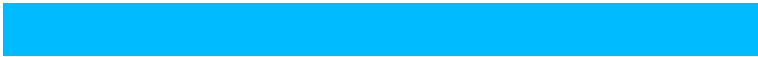
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8824, 0.4773, 0.4592



41.8824, 0.3292, 0.5313



41.8824, 0.1570, 0.1811



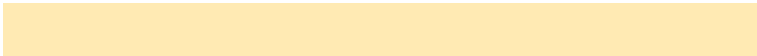
41.8824, 0.2643, 0.1912

Sweetspot

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



41.8845, 0.4773, 0.4592



83.5703, 0.3638, 0.3855



16.0544, 0.5849, 0.2996



17.4476, 0.3718, 0.3936



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.



41.8845, 0.4773, 0.4592



56.5238, 0.4778, 0.4588



61.8663, 0.3810, 0.5356



15.3726, 0.3274, 0.3460



24.8140, 0.4763, 0.4600



1.8655, 0.4655, 0.4686

Inverse Universe

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



8.5720, 0.1586, 0.0910



11.4338, 0.1583, 0.0898



5.9684, 0.1605, 0.0658



13.8406, 0.2981, 0.3114



5.1955, 0.1593, 0.0934



0.5061, 0.1676, 0.1234

Previews

White Background



This preview shows how the Yxy color 41.8824, 0.4773, 0.4592 looks on a white background.

Color Contrast Check

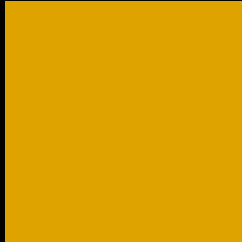
Large Text (above 18pt) WCAG AA × Fail

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 41.8824, 0.4773, 0.4592 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 41.8824, 0.4773, 0.4592

Background



This preview shows how black text looks on a background with the Yxy color 41.8824, 0.4773, 0.4592.



This preview shows how white text looks on a background with the Yxy color 41.8824, 0.4773, 0.4592.

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

41.8824, 0.4773, 0.4592

Protanopia

42.0369, 0.4390, 0.4860

Deuteranopia

42.1259, 0.4724, 0.4631



Tritanopia

41.7665, 0.3823, 0.3154

Trichromacy



Original Color

41.8824, 0.4773, 0.4592

Protanomaly

41.8888, 0.4532, 0.4761

Deuteranomaly

41.9231, 0.4744, 0.4615

Tritanomaly

40.9361, 0.4372, 0.3872

Monochromacy



Original Color

41.8824, 0.4773, 0.4592

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.0103, 0.3892, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8824, 0.4773, 0.4592 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(223, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 163, 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(223, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.8824, 0.4773, 0.4592 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(223, 163, 0) }
```

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

```
.border{ border-color:rgb(223, 163, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 163, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 163,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8824, 0.4773, 0.4592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 163, 0) }
```

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

```
.background{ background-color: rgb(223,  
163, 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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