

Converting Colors

$Y_{xy}(41.5064, 0.4595, 0.4734)$

Have a look what the booklet for
Yxy(41.5064, 0.4595, 0.4734)
contains.

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Color

Yxy(41.5606, 0.4592, 0.4736)

Conversions

Conversions Part 1

Format	Color
Hex	D1A800
RGB	209, 168, 0
RGB Percent	82%, 66%, 0%
CMY	0.1804, 0.3412, 1.0000
CMYK	0.00, 0.20, 1.00, 0.18
HSL	48°, 100%, 41%
HSV	48°, 100%, 82%
XYZ	40.2969, 41.5606, 5.8971
YIQ	161.1070, 78.3640, -43.5560

Conversions

Conversions Part 2

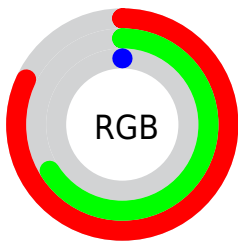
Format	Color
RYB	51, 209, 0
Decimal	13740032
CIELab	70.57, 2.49, 73.58
CIElCh	71, 73.625, 88.065
Yxy	41.5606, 0.4592, 0.4736
Android (android.graphics.Color)	4291930112 (0xFFD1A800)
YUV	161.1070, -79.4258, 42.0022
Hunter-Lab	64.4675, -1.2425, 39.7038

Details

The Yxy color **41.5606, 0.4592, 0.4736** 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 **6.1888, 0.1550, 0.0780**, and the grayscale version is **36.0437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5854, 0.4271, 0.4617**, and **19.1121, 0.4623, 0.4711** is the 20% darker color. If you saturate the color by 10%, you get **41.5627, 0.4592, 0.4736**, and if you desaturate by 10%, it is **43.1541, 0.4517, 0.4731**.

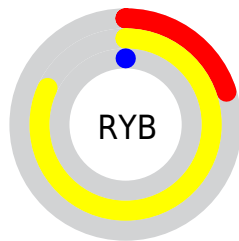
Distribution



Red (82%)

Green (66%)

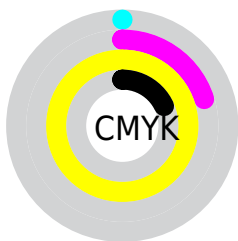
Blue (0%)



Red (20%)

Yellow (82%)

Blue (0%)

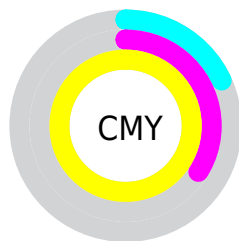


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5606, 0.4592, 0.4736 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 41.5606, 0.4592, 0.4736 by changing the saturation by 10% instead.

 41.5606, 0.4592,
0.4736

 41.5606, 0.4592,
0.4736


352.6582, 0.3942,
0.4108


 28.7574, 0.4704,
0.4839


 77.5342, 0.4390,
0.4544


 18.8974, 0.4815,
0.4937


 101.4733, 0.4303,
0.4460


 11.5961, 0.4949,
0.5051

 129.8933, 0.4225,
0.4385

 6.4693, 0.4965,
0.5035

 163.1783, 0.4155,
0.4317

 3.1325, 0.4990,
0.5010

 201.7130, 0.4093,
0.4256

 1.2013, 0.5034,
0.4966

 245.8816, 0.4038,

 0.0628, 0.6572,

0.4202

 296.0685, 0.3988,
0.4152


0.3428


 0.0000, 0.0000,
0.0000


 41.5606, 0.4592,
0.4736

 41.5606, 0.4592,
0.4736

 41.5627, 0.4592,
0.4736

 43.1541, 0.4517,
0.4731

 44.8519, 0.4416,
0.4685

 46.6761, 0.4287,
0.4593

 48.6378, 0.4136,
0.4460

 50.7464, 0.3968,
0.4293

■ 53.0102, 0.3793,
0.4103

■ 55.4367, 0.3616,
0.3900

■ 58.0328, 0.3444,
0.3692

■ 60.8049, 0.3280,
0.3488

Harmonies

Analogous

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



41.5606, 0.5133, 0.4009



41.5606, 0.4592, 0.4736



41.5606, 0.3724, 0.5248

Triad

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



41.5606, 0.4592, 0.4736



41.5606, 0.1499, 0.2800



41.5606, 0.3221, 0.2130

Complementary

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



41.5606, 0.4592, 0.4736



6.1888, 0.1550, 0.0780

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.



41.5606, 0.2272, 0.1832



41.5606, 0.4592, 0.4736



41.5606, 0.1425, 0.2087

Square

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



41.5606, 0.4592, 0.4736



41.5606, 0.1946, 0.3957



41.5606, 0.1677, 0.1800



41.5606, 0.4320, 0.2649

Rectangle

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



41.5606, 0.4592, 0.4736



41.5606, 0.3077, 0.5213



41.5606, 0.1677, 0.1800



41.5606, 0.2871, 0.2003

Sweetspot

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



41.5627, 0.4592, 0.4736



86.8119, 0.3622, 0.3907



13.7209, 0.6092, 0.3130



18.2279, 0.3697, 0.3995



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.



41.5627, 0.4592, 0.4736



64.9152, 0.4597, 0.4732



51.7389, 0.3669, 0.5469



13.3871, 0.3271, 0.3476



25.7667, 0.4585, 0.4741



1.5438, 0.4500, 0.4809

Inverse Universe

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



6.1888, 0.1550, 0.0780



9.5025, 0.1546, 0.0766



5.6503, 0.1695, 0.0707



11.7877, 0.2982, 0.3097



3.9266, 0.1556, 0.0799



0.3324, 0.1648, 0.1133

Previews

White Background



This preview shows how the Yxy color 41.5606, 0.4592, 0.4736 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 41.5606, 0.4592, 0.4736 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 41.5606, 0.4592, 0.4736

Background



This preview shows how black text looks on a background with the Yxy color 41.5606, 0.4592, 0.4736.



This preview shows how white text looks on a background with the Yxy color 41.5606, 0.4592, 0.4736.

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

41.5606, 0.4592, 0.4736

Protanopia

41.5090, 0.4396, 0.4866

Deuteranopia

41.6455, 0.4706, 0.4603



Tritanopia

41.5095, 0.3629, 0.3147

Trichromacy



Original Color

41.5606, 0.4592, 0.4736

Protanomaly

41.4183, 0.4468, 0.4817

Deuteranomaly

41.3793, 0.4667, 0.4649

Tritanomaly

40.6502, 0.4184, 0.3932

Monochromacy



Original Color

41.5606, 0.4592, 0.4736

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.9752, 0.3827, 0.4158

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5606, 0.4592, 0.4736 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(209, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 168, 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(209, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.5606, 0.4592, 0.4736 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(209, 168, 0) }
```

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

```
.border{ border-color:rgb(209, 168, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 168, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(209, 168,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5606, 0.4592, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 168, 0) }
```

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

```
.background{ background-color: rgb(209,  
168, 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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