

Converting Colors

$Y_{xy}(41.6792, 0.4799, 0.4572)$

Have a look what the booklet for
Yxy(41.6792, 0.4799, 0.4572)
contains.

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Color

Yxy(41.6880, 0.4793, 0.4576)

Conversions

Conversions Part 1

Format	Color
Hex	E0A200
RGB	224, 162, 0
RGB Percent	88%, 64%, 0%
CMY	0.1215, 0.3647, 0.9995
CMYK	0.00, 0.28, 1.00, 0.12
HSL	43°, 100%, 44%
HSV	43°, 100%, 88%
XYZ	43.6649, 41.6880, 5.7485
YIQ	162.0700, 88.9540, -37.2380

Conversions

Conversions Part 2

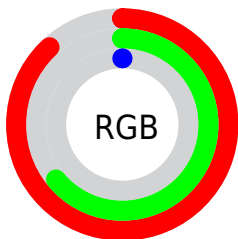
Format	Color
RYB	86, 224, 0
Decimal	14721536
CIELab	70.66, 12.29, 74.38
CIELCh	71, 75.386, 80.616
Yxy	41.6880, 0.4793, 0.4576
Android (android.graphics.Color)	4292911616 (0xFFE0A200)
YUV	162.0700, -79.9005, 54.3126
Hunter-Lab	64.5662, 7.7252, 39.9176

Details

The Yxy color **41.6880, 0.4793, 0.4576** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **8.8446, 0.1591, 0.0926**, and the grayscale version is **36.5250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4215, 0.4318, 0.4576**, and **19.1554, 0.4886, 0.4502** is the 20% darker color. If you saturate the color by 10%, you get **41.6771, 0.4793, 0.4576**, and if you desaturate by 10%, it is **43.9902, 0.4689, 0.4590**.

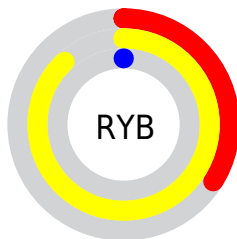
Distribution



Red (88%)

Green (64%)

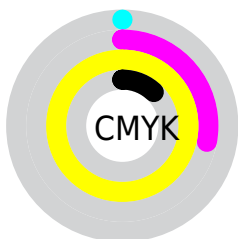
Blue (0%)



Red (34%)

Yellow (88%)

Blue (0%)

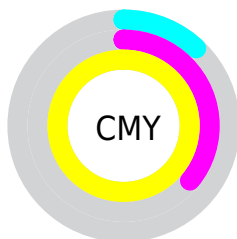


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6880, 0.4793, 0.4576 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 41.6880, 0.4793, 0.4576 by changing the saturation by 10% instead.


 41.6880, 0.4793,
0.4576


 41.6880, 0.4793,
0.4576


353.1879, 0.4042,
0.4053


 28.8571, 0.4929,
0.4648

 77.7272, 0.4555,
0.4427

 18.9727, 0.5071,
0.4705


 101.7043, 0.4454,
0.4358


 11.6506, 0.5241,
0.4759


 130.1655, 0.4364,
0.4295

 6.5062, 0.5318,
0.4682

 163.4953, 0.4285,
0.4237

 3.1553, 0.5434,
0.4566

 202.0780, 0.4214,
0.4184

 1.2133, 0.5632,
0.4368


 246.2981, 0.4150,


 0.0725, 0.8357,


0.4136

0.1643


 296.5400, 0.4093,
0.4093


 0.0000, 0.0000,
0.0000


 41.6880, 0.4793,
0.4576


 41.6880, 0.4793,
0.4576


 41.6771, 0.4793,
0.4576

 43.9902, 0.4689,
0.4590

 46.4690, 0.4557,
0.4560

 49.1500, 0.4396,
0.4482

 52.0474, 0.4215,
0.4360

 55.1734, 0.4022,
0.4206

■ 58.5387, 0.3826,
0.4031

■ 62.1530, 0.3634,
0.3844

■ 66.0255, 0.3452,
0.3654

■ 70.1645, 0.3282,
0.3468

Harmonies

Analogous

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



41.6880, 0.5224, 0.3829



41.6880, 0.4793, 0.4576



41.6880, 0.3964, 0.5203

Triad

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



41.6880, 0.4793, 0.4576



41.6880, 0.1544, 0.3044



41.6880, 0.2952, 0.2011

Complementary

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



41.6880, 0.4793, 0.4576



8.8446, 0.1591, 0.0926

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.



41.6880, 0.2070, 0.1772



41.6880, 0.4793, 0.4576



41.6880, 0.1384, 0.2196

Square

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



41.6880, 0.4793, 0.4576



41.6880, 0.2096, 0.4292



41.6880, 0.1558, 0.1812



41.6880, 0.4078, 0.2488

Rectangle

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



41.6880, 0.4793, 0.4576



41.6880, 0.3316, 0.5323



41.6880, 0.1558, 0.1812



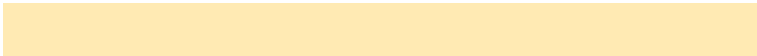
41.6880, 0.2619, 0.1902

Sweetspot

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



41.6901, 0.4793, 0.4576



83.2317, 0.3639, 0.3849



16.2177, 0.5849, 0.2996



17.3663, 0.3720, 0.3929



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.



41.6901, 0.4793, 0.4576



55.6928, 0.4799, 0.4572



62.4922, 0.3810, 0.5356



15.3540, 0.3274, 0.3459



24.4578, 0.4782, 0.4585



1.8432, 0.4671, 0.4673

Inverse Universe

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



8.8446, 0.1591, 0.0926



11.6802, 0.1587, 0.0914



6.0295, 0.1605, 0.0658



13.8582, 0.2981, 0.3115



5.3074, 0.1598, 0.0951



0.5159, 0.1682, 0.1253

Previews

White Background



This preview shows how the Yxy color 41.6880, 0.4793, 0.4576 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 41.6880, 0.4793, 0.4576 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 41.6880, 0.4793, 0.4576

Background



This preview shows how black text looks on a background with the Yxy color 41.6880, 0.4793, 0.4576.



This preview shows how white text looks on a background with the Yxy color 41.6880, 0.4793, 0.4576.

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

41.6880, 0.4793, 0.4576

Protanopia

41.9033, 0.4380, 0.4867

Deuteranopia

41.6110, 0.4727, 0.4629



Tritanopia

41.7308, 0.3833, 0.3165

Trichromacy



Original Color

41.6880, 0.4793, 0.4576

Protanomaly

41.8888, 0.4532, 0.4761

Deuteranomaly

41.5665, 0.4756, 0.4606

Tritanomaly

40.9159, 0.4381, 0.3883

Monochromacy



Original Color

41.6880, 0.4793, 0.4576

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.1342, 0.3903, 0.4097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6880, 0.4793, 0.4576 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(224, 162, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 162, 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(224, 162, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 162, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.6880, 0.4793, 0.4576 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(224, 162, 0) }
```

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

```
.border{ border-color:rgb(224, 162, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 162, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 162, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 162, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 162,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6880, 0.4793, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 162, 0) }
```

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

```
.background{ background-color: rgb(224,  
162, 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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