

Converting Colors

$Y_{xy}(40.8113, 0.4757, 0.4775)$

Have a look what the booklet for
Yxy(40.8113, 0.4757, 0.4775)
contains.

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Color

Yxy(40.8471, 0.4682, 0.4664)

Conversions

Conversions Part 1

Format	Color
Hex	D6A400
RGB	214, 164, 0
RGB Percent	84%, 64%, 0%
CMY	0.1608, 0.3568, 0.9993
CMYK	0.00, 0.23, 1.00, 0.16
HSL	46°, 100%, 42%
HSV	46°, 100%, 84%
XYZ	41.0047, 40.8471, 5.7277
YIQ	160.2540, 82.4440, -40.4040

Conversions

Conversions Part 2

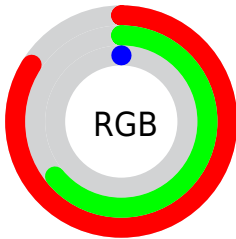
Format	Color
RYB	65, 214, 0
Decimal	14066688
CIELab	70.07, 6.82, 73.46
CIElCh	70, 73.772, 84.695
Yxy	40.8471, 0.4682, 0.4664
Android (android.graphics.Color)	4292256768 (0xFFD6A400)
YUV	160.2540, -79.0052, 47.1352
Hunter-Lab	63.9117, 2.6772, 39.4247

Details

The Yxy color **40.8471, 0.4682, 0.4664** 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 **7.1495, 0.1568, 0.0844**, and the grayscale version is **35.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4589, 0.4304, 0.4592**, and **18.6803, 0.4748, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **40.8340, 0.4683, 0.4664**, and if you desaturate by 10%, it is **42.7308, 0.4594, 0.4667**.

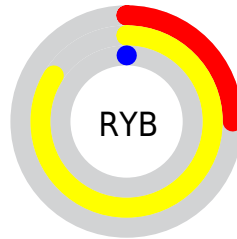
Distribution



Red (84%)

Green (64%)

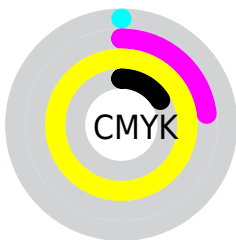
Blue (0%)



Red (25%)

Yellow (84%)

Blue (0%)

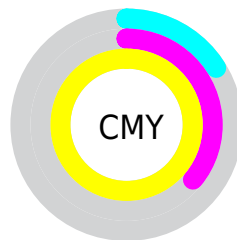


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (36%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8471, 0.4682, 0.4664 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 40.8471, 0.4682, 0.4664 by changing the saturation by 10% instead.


 40.8471, 0.4682,
0.4664

 40.8471, 0.4682,
0.4664


349.6812, 0.3984,
0.4081

 28.1996, 0.4806,
0.4753


 76.4517, 0.4462,
0.4491

 18.4762, 0.4932,
0.4833


 100.1777, 0.4368,
0.4413


 11.2924, 0.5082,
0.4918


 128.3653, 0.4285,
0.4343

 6.2639, 0.5126,
0.4874

 161.3988, 0.4211,
0.4279

 3.0062, 0.5195,
0.4805

 199.6628, 0.4145,
0.4222

 1.1350, 0.5315,
0.4685


 243.5416, 0.4085,

 0.0076, 0.9581,

0.4170


0.0419


 293.4196, 0.4032,
0.4123

 0.0000, 0.0000,
0.0000

 40.8471, 0.4682,
0.4664

 40.8471, 0.4682,
0.4664

 40.8340, 0.4683,
0.4664

 42.7308, 0.4594,
0.4667

 44.7457, 0.4479,
0.4628

 46.9148, 0.4335,
0.4542

 49.2502, 0.4170,
0.4413

 51.7623, 0.3991,
0.4252

■ 54.4600, 0.3807,
0.4068

■ 57.3517, 0.3623,
0.3873

■ 60.4450, 0.3447,
0.3673

■ 63.7468, 0.3280,
0.3477

Harmonies

Analogous

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



40.8471, 0.5174, 0.3928



40.8471, 0.4682, 0.4664



40.8471, 0.3832, 0.5230

Triad

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



40.8471, 0.4682, 0.4664



40.8471, 0.1519, 0.2906



40.8471, 0.3099, 0.2077

Complementary

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



40.8471, 0.4682, 0.4664



7.1495, 0.1568, 0.0844

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.



40.8471, 0.2180, 0.1806



40.8471, 0.4682, 0.4664



40.8471, 0.1407, 0.2135

Square

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



40.8471, 0.4682, 0.4664



40.8471, 0.2013, 0.4105



40.8471, 0.1624, 0.1806



40.8471, 0.4212, 0.2577

Rectangle

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



40.8471, 0.4682, 0.4664



40.8471, 0.3185, 0.5265



40.8471, 0.1624, 0.1806



40.8471, 0.2756, 0.1958

Sweetspot

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



40.8491, 0.4682, 0.4664



85.1320, 0.3630, 0.3880



14.5606, 0.5950, 0.3052



17.8231, 0.3708, 0.3964



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.



40.8491, 0.4682, 0.4664



60.4687, 0.4688, 0.4659



55.6148, 0.3753, 0.5401



14.0049, 0.3272, 0.3468



24.8513, 0.4674, 0.4671



1.6210, 0.4574, 0.4750

Inverse Universe

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



7.1495, 0.1568, 0.0844



10.4102, 0.1564, 0.0829



5.6321, 0.1638, 0.0677



12.4751, 0.2982, 0.3106



4.4477, 0.1574, 0.0865



0.3970, 0.1666, 0.1197

Previews

White Background



This preview shows how the Yxy color 40.8471, 0.4682, 0.4664 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 40.8471, 0.4682, 0.4664 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 40.8471, 0.4682, 0.4664

Background



This preview shows how black text looks on a background with the Yxy color 40.8471, 0.4682, 0.4664.



This preview shows how white text looks on a background with the Yxy color 40.8471, 0.4682, 0.4664.

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

40.8471, 0.4682, 0.4664

Protanopia

40.9985, 0.4394, 0.4861

Deuteranopia

40.9658, 0.4709, 0.4619



Tritanopia

40.6664, 0.3720, 0.3149

Trichromacy



Original Color

40.8471, 0.4682, 0.4664

Protanomaly

40.8088, 0.4498, 0.4791

Deuteranomaly

40.8065, 0.4704, 0.4631

Tritanomaly

39.8365, 0.4278, 0.3908

Monochromacy



Original Color

40.8471, 0.4682, 0.4664

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.1523, 0.3865, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8471, 0.4682, 0.4664 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(214, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(214, 164, 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(214, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.8471, 0.4682, 0.4664 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(214, 164, 0) }
```

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

```
.border{ border-color:rgb(214, 164, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 164, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(214, 164,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8471, 0.4682, 0.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 164, 0) }
```

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

```
.background{ background-color: rgb(214,  
164, 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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