

Converting Colors

$Y_{xy}(41.1593, 0.4691, 0.4901)$

Have a look what the booklet for
Yxy(41.1593, 0.4691, 0.4901)
contains.

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Color

Yxy(41.2707, 0.4574, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	CFA800
RGB	207, 168, 0
RGB Percent	81%, 66%, 0%
CMY	0.1881, 0.3412, 0.9997
CMYK	0.00, 0.19, 1.00, 0.19
HSL	49°, 100%, 41%
HSV	49°, 100%, 81%
XYZ	39.7415, 41.2707, 5.8735
YIQ	160.5090, 77.1720, -43.9800

Conversions

Conversions Part 2

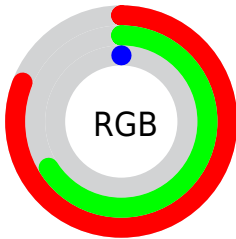
Format	Color
RYB	48, 207, 0
Decimal	13608960
CIELab	70.37, 1.62, 73.34
CIElCh	70, 73.355, 88.733
Yxy	41.2707, 0.4574, 0.4750
Android (android.graphics.Color)	4291799040 (0xFFCFA800)
YUV	160.5090, -79.1309, 40.7726
Hunter-Lab	64.2423, -2.0004, 39.5489

Details

The Yxy color **41.2707, 0.4574, 0.4750** 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 **5.9662, 0.1547, 0.0770**, and the grayscale version is **35.7548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5854, 0.4271, 0.4617**, and **19.0185, 0.4611, 0.4721** is the 20% darker color. If you saturate the color by 10%, you get **41.2665, 0.4574, 0.4750**, and if you desaturate by 10%, it is **42.7896, 0.4501, 0.4743**.

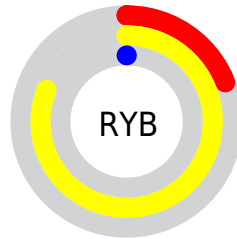
Distribution



Red (81%)

Green (66%)

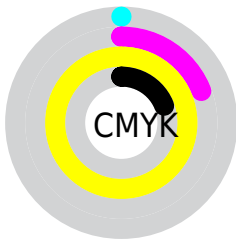
Blue (0%)



Red (19%)

Yellow (81%)

Blue (0%)

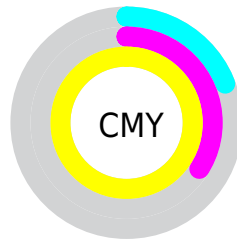


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (34%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2707, 0.4574, 0.4750 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 41.2707, 0.4574, 0.4750 by changing the saturation by 10% instead.


 41.2707, 0.4574,
0.4750

 41.2707, 0.4574,
0.4750

351.4507, 0.3933,
0.4111


 28.5307, 0.4684,
0.4856


 77.0947, 0.4374,
0.4554

 18.7261, 0.4793,
0.4958


 100.9474, 0.4289,
0.4469


 11.4725, 0.4923,
0.5077


 129.2731, 0.4212,
0.4392

 6.3856, 0.4934,
0.5066

 162.4562, 0.4143,
0.4323

 3.0809, 0.4950,
0.5050

 200.8812, 0.4082,
0.4262


 1.1741, 0.4979,
0.5021

 244.9323, 0.4027,

 0.0404, 0.6587,

0.4206

0.3413


 294.9940, 0.3977,
0.4156


 0.0000, 0.0000,
0.0000

 41.2707, 0.4574,
0.4750


 41.2707, 0.4574,
0.4750


 41.2665, 0.4574,
0.4750

 42.7896, 0.4501,
0.4743

 44.4071, 0.4403,
0.4696

 46.1450, 0.4277,
0.4603

 48.0138, 0.4128,
0.4468

 50.0228, 0.3963,
0.4300

■ 52.1801, 0.3789,
0.4108

■ 54.4929, 0.3614,
0.3904

■ 56.9678, 0.3442,
0.3695

■ 59.6112, 0.3279,
0.3488

Harmonies

Analogous

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



41.2707, 0.5124, 0.4025



41.2707, 0.4574, 0.4750



41.2707, 0.3702, 0.5250

Triad

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



41.2707, 0.4574, 0.4750



41.2707, 0.1495, 0.2779



41.2707, 0.3245, 0.2140

Complementary

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



41.2707, 0.4574, 0.4750



5.9662, 0.1547, 0.0770

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.



41.2707, 0.2291, 0.1837



41.2707, 0.4574, 0.4750



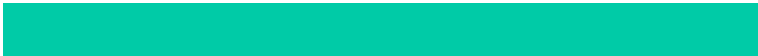
41.2707, 0.1429, 0.2078

Square

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



41.2707, 0.4574, 0.4750



41.2707, 0.1933, 0.3928



41.2707, 0.1688, 0.1799



41.2707, 0.4341, 0.2663

Rectangle

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



41.2707, 0.4574, 0.4750



41.2707, 0.3056, 0.5201



41.2707, 0.1688, 0.1799



41.2707, 0.2894, 0.2012

Sweetspot

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



41.2727, 0.4574, 0.4750



87.1504, 0.3621, 0.3912



13.4351, 0.6090, 0.3129



18.3096, 0.3695, 0.4001



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.



41.2727, 0.4574, 0.4750



65.8362, 0.4579, 0.4746



50.6554, 0.3669, 0.5468



13.4027, 0.3271, 0.3477



26.1222, 0.4568, 0.4755



1.5608, 0.4487, 0.4819

Inverse Universe

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



5.9662, 0.1547, 0.0770



9.3423, 0.1543, 0.0754



5.5380, 0.1696, 0.0708



11.7734, 0.2982, 0.3096



3.8578, 0.1552, 0.0787



0.3258, 0.1643, 0.1114

Previews

White Background



This preview shows how the Yxy color 41.2707, 0.4574, 0.4750 looks on a white background.

Color Contrast Check

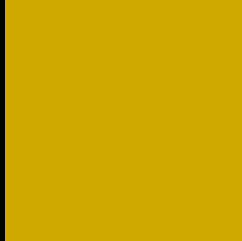
Large Text (above 18pt) WCAG AA × Fail

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 41.2707, 0.4574, 0.4750 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 41.2707, 0.4574, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 41.2707, 0.4574, 0.4750.



This preview shows how white text looks on a background with the Yxy color 41.2707, 0.4574, 0.4750.

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

41.2707, 0.4574, 0.4750

Protanopia

41.3762, 0.4386, 0.4874

Deuteranopia

41.1343, 0.4709, 0.4601



Tritanopia

41.2030, 0.3609, 0.3146

Trichromacy



Original Color

41.2707, 0.4574, 0.4750

Protanomaly

41.2811, 0.4459, 0.4825

Deuteranomaly

41.2283, 0.4658, 0.4656

Tritanomaly

40.3493, 0.4164, 0.3938

Monochromacy



Original Color

41.2707, 0.4574, 0.4750

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 41.2707, 0.4574, 0.4750 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(207, 168, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 168, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 168, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.2707, 0.4574, 0.4750 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(207, 168, 0) }
```

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

```
.border{ border-color:rgb(207, 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(207, 168, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 168, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 168, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 168,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 41.2707, 0.4574, 0.4750$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 168, 0) }
```

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

```
.background{ background-color: rgb(207,  
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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