

Converting Colors

$Y_{xy}(42.4594, 0.4601, 0.4729)$

Have a look what the booklet for
Yxy(42.4594, 0.4601, 0.4729)
contains.

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Color

Yxy(42.3730, 0.4608, 0.4723)

Conversions

Conversions Part 1

Format	Color
Hex	D4A900
RGB	212, 169, 0
RGB Percent	83%, 66%, 0%
CMY	0.1686, 0.3372, 0.9996
CMYK	0.00, 0.20, 1.00, 0.17
HSL	48°, 100%, 42%
HSV	48°, 100%, 83%
XYZ	41.3413, 42.3730, 6.0020
YIQ	162.5910, 79.8770, -43.4430

Conversions

Conversions Part 2

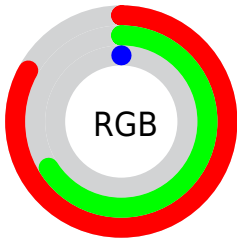
Format	Color
RYB	54, 212, 0
Decimal	13936896
CIELab	71.13, 3.29, 74.10
CIElCh	71, 74.176, 87.460
Yxy	42.3730, 0.4608, 0.4723
Android (android.graphics.Color)	4292126976 (0xFFD4A900)
YUV	162.5910, -80.1574, 43.3317
Hunter-Lab	65.0945, -0.5509, 40.0994

Details

The Yxy color **42.3730, 0.4608, 0.4723** 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 **6.4890, 0.1553, 0.0790**, and the grayscale version is **36.7861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1214, 0.4264, 0.4624**, and **19.3980, 0.4660, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **42.3680, 0.4608, 0.4723**, and if you desaturate by 10%, it is **44.0574, 0.4531, 0.4720**.

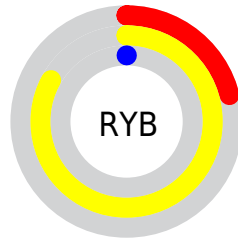
Distribution



Red (83%)

Green (66%)

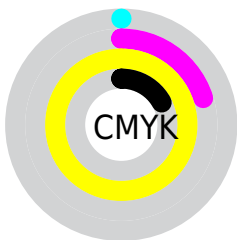
Blue (0%)



Red (21%)

Yellow (83%)

Blue (0%)

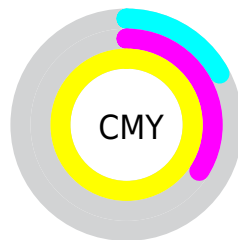


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (17%)



Cyan (17%)


Magenta (34%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3730, 0.4608, 0.4723 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 42.3730, 0.4608, 0.4723 by changing the saturation by 10% instead.

 42.3730, 0.4608,
0.4723


 42.3730, 0.4608,
0.4723


356.0268, 0.3953,
0.4105

 29.3935, 0.4721,
0.4823


 78.7638, 0.4404,
0.4536


 19.3787, 0.4834,
0.4917


 102.9439, 0.4316,
0.4454


 11.9442, 0.4972,
0.5028


 131.6263, 0.4238,
0.4379


 6.7057, 0.4993,
0.5007

 165.1954, 0.4168,
0.4313

 3.2787, 0.5026,
0.4974

 204.0357, 0.4105,
0.4253

 1.2789, 0.5081,
0.4919

 248.5314, 0.4049,

 0.1248, 0.6144,

0.4198

0.3856

299.0670, 0.3998,
0.4150

■ 0.0000, 0.0000,
0.0000

■ 42.3730, 0.4608,
0.4723

■ 42.3730, 0.4608,
0.4723

■ 42.3680, 0.4608,
0.4723

■ 44.0574, 0.4531,
0.4720

■ 45.8534, 0.4427,
0.4675

■ 47.7834, 0.4296,
0.4584

■ 49.8592, 0.4142,
0.4452

■ 52.0905, 0.3973,
0.4286

■ 54.4858, 0.3795,
0.4097

■ 57.0532, 0.3617,
0.3895

■ 59.7996, 0.3444,
0.3689

■ 62.7317, 0.3280,
0.3485

Harmonies

Analogous

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



42.3730, 0.5140, 0.3995



42.3730, 0.4608, 0.4723



42.3730, 0.3743, 0.5244

Triad

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



42.3730, 0.4608, 0.4723



42.3730, 0.1503, 0.2818



42.3730, 0.3199, 0.2120

Complementary

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



42.3730, 0.4608, 0.4723



6.4890, 0.1553, 0.0790

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.



42.3730, 0.2256, 0.1827



42.3730, 0.4608, 0.4723



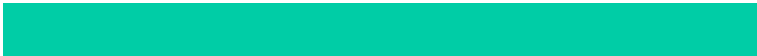
42.3730, 0.1422, 0.2096

Square

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



42.3730, 0.4608, 0.4723



42.3730, 0.1958, 0.3983



42.3730, 0.1668, 0.1801



42.3730, 0.4301, 0.2636

Rectangle

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



42.3730, 0.4608, 0.4723



42.3730, 0.3097, 0.5222



42.3730, 0.1668, 0.1801



42.3730, 0.2850, 0.1995

Sweetspot

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



42.3751, 0.4608, 0.4723



86.5065, 0.3624, 0.3902



14.1973, 0.6048, 0.3106



18.1542, 0.3699, 0.3989



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.



42.3751, 0.4608, 0.4723



64.0914, 0.4613, 0.4719



53.7624, 0.3697, 0.5447



14.0719, 0.3271, 0.3475



26.3000, 0.4601, 0.4729



1.6971, 0.4518, 0.4795

Inverse Universe

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



6.4890, 0.1553, 0.0790



9.6535, 0.1549, 0.0776



5.7206, 0.1675, 0.0696



12.4128, 0.2982, 0.3098



4.1173, 0.1558, 0.0809



0.3680, 0.1646, 0.1126

Previews

White Background



This preview shows how the Yxy color 42.3730, 0.4608, 0.4723 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 42.3730, 0.4608, 0.4723 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 42.3730, 0.4608, 0.4723

Background



This preview shows how black text looks on a background with the Yxy color 42.3730, 0.4608, 0.4723.



This preview shows how white text looks on a background with the Yxy color 42.3730, 0.4608, 0.4723.

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

42.3730, 0.4608, 0.4723

Protanopia

42.5522, 0.4393, 0.4866

Deuteranopia

42.1576, 0.4705, 0.4608



Tritanopia

42.3507, 0.3646, 0.3148

Trichromacy



Original Color

42.3730, 0.4608, 0.4723

Protanomaly

42.4568, 0.4465, 0.4820

Deuteranomaly

42.0439, 0.4675, 0.4646

Tritanomaly

41.4779, 0.4197, 0.3924

Monochromacy



Original Color

42.3730, 0.4608, 0.4723

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.7335, 0.3836, 0.4134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3730, 0.4608, 0.4723 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(212, 169, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 169, 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(212, 169, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 169, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.3730, 0.4608, 0.4723 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(212, 169, 0) }
```

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

```
.border{ border-color:rgb(212, 169, 0) }
```

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

Here you see how a box with a 4 pixel rgb(212, 169, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 169, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 169, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 169,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3730, 0.4608, 0.4723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 169, 0) }
```

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

```
.background{ background-color: rgb(212,  
169, 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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