

Converting Colors

$Y_{xy}(40.0470, 0.4764, 0.4599)$

Have a look what the booklet for
Yxy(40.0470, 0.4764, 0.4599)
contains.

Yxy(40.0470, 0.4764, 0.4599)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.0470, 0.4764, 0.4599)

Conversions

Conversions Part 1

Format	Color
Hex	DAA000
RGB	218, 160, 0
RGB Percent	85%, 63%, 0%
CMY	0.1451, 0.3725, 0.9995
CMYK	0.00, 0.27, 1.00, 0.15
HSL	44°, 100%, 43%
HSV	44°, 100%, 85%
XYZ	41.4838, 40.0470, 5.5468
YIQ	159.1020, 85.9280, -37.4640

Conversions

Conversions Part 2

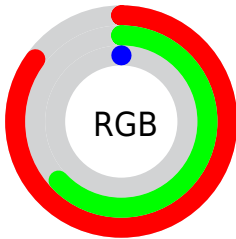
Format	Color
RYB	79, 218, 0
Decimal	14327808
CIELab	69.50, 10.72, 73.28
CIELCh	70, 74.058, 81.674
Yxy	40.0470, 0.4764, 0.4599
Android (android.graphics.Color)	4292517888 (0xFFDAA000)
YUV	159.1020, -78.4373, 51.6535
Hunter-Lab	63.2827, 6.2676, 39.1010

Details

The Yxy color **40.0470, 0.4764, 0.4599** 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 **8.1010, 0.1585, 0.0906**, and the grayscale version is **35.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8890, 0.4340, 0.4553**, and **18.1054, 0.4849, 0.4532** is the 20% darker color. If you saturate the color by 10%, you get **40.0363, 0.4765, 0.4599**, and if you desaturate by 10%, it is **42.1655, 0.4664, 0.4610**.

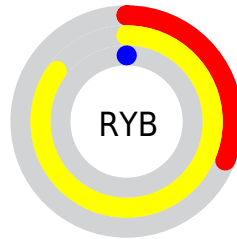
Distribution



Red (85%)

Green (63%)

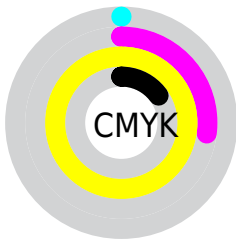
Blue (0%)



Red (31%)

Yellow (85%)

Blue (0%)

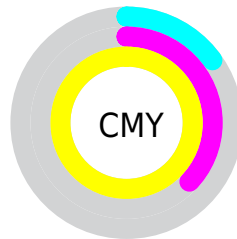


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (37%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0470, 0.4764, 0.4599 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 40.0470, 0.4764, 0.4599 by changing the saturation by 10% instead.


 40.0470, 0.4764,
0.4599


 40.0470, 0.4764,
0.4599


346.3216, 0.4022,
0.4056

 27.5752, 0.4899,
0.4676


 75.2351, 0.4528,
0.4442

 18.0057, 0.5038,
0.4740


 98.7201, 0.4428,
0.4370


 10.9541, 0.5202,
0.4798


 126.6451, 0.4340,
0.4305

 6.0360, 0.5272,
0.4728

 159.3943, 0.4261,
0.4245

 2.8670, 0.5380,
0.4620

 197.3521, 0.4191,
0.4191


 1.0627, 0.5569,
0.4431

 240.9030, 0.4128,

 0.0000, 1.0000,


0.4141

0.0000


 290.4314, 0.4072,
0.4097

 0.0000, 0.0000,
0.0000

 40.0470, 0.4764,
0.4599


 40.0470, 0.4764,
0.4599


 40.0363, 0.4765,
0.4599

 42.1655, 0.4664,
0.4610

 44.4420, 0.4536,
0.4577

 46.9006, 0.4380,
0.4496

 49.5545, 0.4203,
0.4373

 52.4149, 0.4013,
0.4217

■ 55.4916, 0.3820,
0.4040

■ 58.7936, 0.3631,
0.3851

■ 62.3293, 0.3450,
0.3659

■ 66.1063, 0.3281,
0.3470

Harmonies

Analogous

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



40.0470, 0.5211, 0.3855



40.0470, 0.4764, 0.4599



40.0470, 0.3930, 0.5211

Triad

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



40.0470, 0.4764, 0.4599



40.0470, 0.1537, 0.3007



40.0470, 0.2990, 0.2028

Complementary

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



40.0470, 0.4764, 0.4599



8.1010, 0.1585, 0.0906

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.



40.0470, 0.2098, 0.1781



40.0470, 0.4764, 0.4599



40.0470, 0.1390, 0.2180

Square

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



40.0470, 0.4764, 0.4599



40.0470, 0.2074, 0.4243



40.0470, 0.1575, 0.1811



40.0470, 0.4113, 0.2511

Rectangle

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



40.0470, 0.4764, 0.4599



40.0470, 0.3282, 0.5309



40.0470, 0.1575, 0.1811



40.0470, 0.2654, 0.1917

Sweetspot

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



40.0490, 0.4764, 0.4599



83.7041, 0.3637, 0.3857



15.2154, 0.5901, 0.3025



17.4797, 0.3717, 0.3938



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.



40.0490, 0.4764, 0.4599



56.8545, 0.4771, 0.4594



58.3734, 0.3782, 0.5379



14.6469, 0.3273, 0.3461



24.1724, 0.4754, 0.4607



1.7045, 0.4643, 0.4696

Inverse Universe

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



8.1010, 0.1585, 0.0906



11.3389, 0.1581, 0.0892



5.7676, 0.1621, 0.0667



13.1781, 0.2981, 0.3113



4.9987, 0.1591, 0.0929



0.4647, 0.1680, 0.1249

Previews

White Background



This preview shows how the Yxy color 40.0470, 0.4764, 0.4599 looks on a white background.

Color Contrast Check

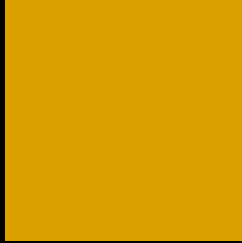
Large Text (above 18pt) WCAG AA × Fail

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 40.0470, 0.4764, 0.4599 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 40.0470, 0.4764, 0.4599

Background



This preview shows how black text looks on a background with the Yxy color 40.0470, 0.4764, 0.4599.



This preview shows how white text looks on a background with the Yxy color 40.0470, 0.4764, 0.4599.

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

40.0470, 0.4764, 0.4599

Protanopia

40.3588, 0.4384, 0.4866

Deuteranopia

39.9368, 0.4726, 0.4630



Tritanopia

40.0405, 0.3802, 0.3162

Trichromacy



Original Color

40.0470, 0.4764, 0.4599

Protanomaly

40.0725, 0.4519, 0.4771

Deuteranomaly

40.0887, 0.4735, 0.4622

Tritanomaly

39.2714, 0.4347, 0.3887

Monochromacy



Original Color

40.0470, 0.4764, 0.4599

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4392, 0.3886, 0.4102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0470, 0.4764, 0.4599 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(218, 160, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 160, 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(218, 160, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 160, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.0470, 0.4764, 0.4599 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(218, 160, 0) }
```

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

```
.border{ border-color:rgb(218, 160, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 160, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 160, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 160, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 160,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0470, 0.4764, 0.4599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 160, 0) }
```

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

```
.background{ background-color: rgb(218,  
160, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor