

Converting Colors

$Y_{xy}(40.2487, 0.4599, 0.4730)$

Have a look what the booklet for
Yxy(40.2487, 0.4599, 0.4730)
contains.

Yxy(40.1757, 0.4607, 0.4724)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.1757, 0.4607, 0.4724)

Conversions

Conversions Part 1

Format	Color
Hex	CFA500
RGB	207, 165, 0
RGB Percent	81%, 65%, 0%
CMY	0.1884, 0.3529, 0.9999
CMYK	0.00, 0.20, 1.00, 0.19
HSL	48°, 100%, 41%
HSV	48°, 100%, 81%
XYZ	39.1807, 40.1757, 5.6896
YIQ	158.7480, 77.9970, -42.4110

Conversions

Conversions Part 2

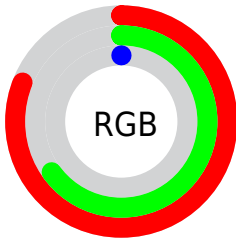
Format	Color
RYB	53, 207, 0
Decimal	13608192
CIELab	69.59, 3.18, 72.81
CIElCh	70, 72.874, 87.502
Yxy	40.1757, 0.4607, 0.4724
Android (android.graphics.Color)	4291798272 (0xFFCFA500)
YUV	158.7480, -78.2628, 42.3170
Hunter-Lab	63.3843, -0.5837, 39.0470

Details

The Yxy color **40.1757, 0.4607, 0.4724** 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 **6.1567, 0.1553, 0.0791**, and the grayscale version is **34.8885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9822, 0.4297, 0.4600**, and **18.2377, 0.4645, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **40.1767, 0.4607, 0.4724**, and if you desaturate by 10%, it is **41.7693, 0.4529, 0.4720**.

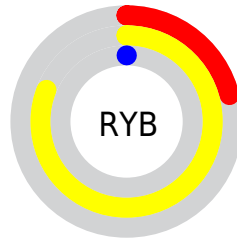
Distribution



Red (81%)

Green (65%)

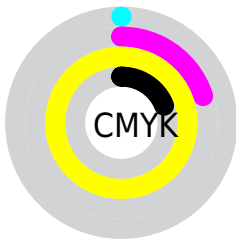
Blue (0%)



Red (21%)

Yellow (81%)

Blue (0%)

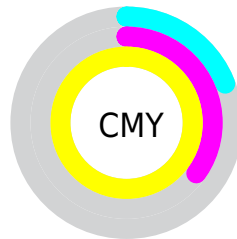


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1757, 0.4607, 0.4724 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 40.1757, 0.4607, 0.4724 by changing the saturation by 10% instead.

 40.1757, 0.4607,
0.4724


 40.1757, 0.4607,
0.4724


346.8636, 0.3945,
0.4099

 27.6756, 0.4722,
0.4826


 75.4310, 0.4400,
0.4533

 18.0812, 0.4837,
0.4921


 98.9549, 0.4311,
0.4450

 11.0083, 0.4972,
0.5028


 126.9223, 0.4232,
0.4375

 6.0724, 0.4993,
0.5007

 159.7174, 0.4161,
0.4307

 2.8892, 0.5027,
0.4973

 197.7247, 0.4098,
0.4247

 1.0742, 0.5086,
0.4914

 241.3285, 0.4042,


 0.0000, 1.0000,


0.4193

0.0000

 290.9134, 0.3991,
0.4143

 0.0000, 0.0000,
0.0000


 40.1757, 0.4607,
0.4724

 40.1757, 0.4607,
0.4724


 40.1767, 0.4607,
0.4724

 41.7693, 0.4529,
0.4720

 43.4678, 0.4426,
0.4675

 45.2931, 0.4295,
0.4584

 47.2558, 0.4141,
0.4451

 49.3654, 0.3972,
0.4285

■ 51.6299, 0.3795,
0.4096

■ 54.0566, 0.3617,
0.3895

■ 56.6525, 0.3444,
0.3689

■ 59.4236, 0.3280,
0.3486

Harmonies

Analogous

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



40.1757, 0.5140, 0.3996



40.1757, 0.4607, 0.4724



40.1757, 0.3742, 0.5245

Triad

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



40.1757, 0.4607, 0.4724



40.1757, 0.1502, 0.2817



40.1757, 0.3201, 0.2121

Complementary

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



40.1757, 0.4607, 0.4724



6.1567, 0.1553, 0.0791

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.



40.1757, 0.2257, 0.1827



40.1757, 0.4607, 0.4724



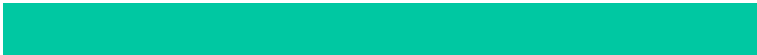
40.1757, 0.1422, 0.2095

Square

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



40.1757, 0.4607, 0.4724



40.1757, 0.1957, 0.3982



40.1757, 0.1668, 0.1801



40.1757, 0.4302, 0.2637

Rectangle

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



40.1757, 0.4607, 0.4724



40.1757, 0.3095, 0.5222



40.1757, 0.1668, 0.1801



40.1757, 0.2852, 0.1995

Sweetspot

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



40.1777, 0.4607, 0.4724



86.5170, 0.3624, 0.3902



13.4493, 0.6046, 0.3104



18.1568, 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.



40.1777, 0.4607, 0.4724



64.1196, 0.4613, 0.4719



50.9366, 0.3697, 0.5446



13.3736, 0.3271, 0.3474



25.4595, 0.4600, 0.4729



1.5291, 0.4512, 0.4800

Inverse Universe

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



6.1567, 0.1553, 0.0791



9.6482, 0.1549, 0.0776



5.4228, 0.1676, 0.0697



11.8003, 0.2982, 0.3099



3.9889, 0.1559, 0.0810



0.3382, 0.1653, 0.1149

Previews

White Background



This preview shows how the Yxy color 40.1757, 0.4607, 0.4724 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 40.1757, 0.4607, 0.4724 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 40.1757, 0.4607, 0.4724

Background



This preview shows how black text looks on a background with the Yxy color 40.1757, 0.4607, 0.4724.



This preview shows how white text looks on a background with the Yxy color 40.1757, 0.4607, 0.4724.

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

40.1757, 0.4607, 0.4724

Protanopia

40.3520, 0.4388, 0.4871

Deuteranopia

39.9685, 0.4706, 0.4605



Tritanopia

39.9462, 0.3638, 0.3145

Trichromacy



Original Color

40.1757, 0.4607, 0.4724

Protanomaly

40.2594, 0.4461, 0.4822

Deuteranomaly

39.8574, 0.4675, 0.4645

Tritanomaly

39.1309, 0.4192, 0.3929

Monochromacy



Original Color

40.1757, 0.4607, 0.4724

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.6594, 0.3832, 0.4141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1757, 0.4607, 0.4724 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, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 165, 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, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 165, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.1757, 0.4607, 0.4724 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, 165, 0) }
```

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

```
.border{ border-color:rgb(207, 165, 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, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 165,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1757, 0.4607, 0.4724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 165, 0) }
```

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

```
.background{ background-color: rgb(207,  
165, 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