

Converting Colors

$Y_{xy}(20.2368, 0.4840, 0.4740)$

Have a look what the booklet for
Yxy(20.2368, 0.4840, 0.4740)
contains.

Yxy(20.4304, 0.4741, 0.4618)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.4304, 0.4741, 0.4618)$

Conversions

Conversions Part 1

Format	Color
Hex	A07600
RGB	160, 118, 0
RGB Percent	63%, 46%, 0%
CMY	0.3726, 0.5372, 1.0000
CMYK	0.00, 0.26, 1.00, 0.37
HSL	44°, 100%, 31%
HSV	44°, 100%, 63%
XYZ	20.9746, 20.4304, 2.8358
YIQ	117.1060, 62.9100, -27.7940

Conversions

Conversions Part 2

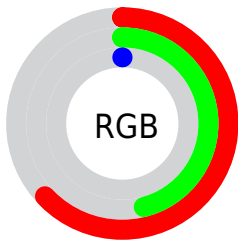
Format	Color
R_{YB}	57, 160, 0
Decimal	10515968
CIE Lab	52.32, 7.66, 58.51
CIE LCh	52, 59.010, 82.537
Yxy	20.4304, 0.4741, 0.4618
Android (android.graphics.Color)	4288706048 (0xFFA07600)
YUV	117.1060, -57.7333, 37.6180
Hunter-Lab	45.2000, 3.7310, 27.9202

Details

The Yxy color **20.4304, 0.4741, 0.4618** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.1929, 0.1592, 0.0931**, and the grayscale version is **17.9924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1912, 0.4458, 0.4423**, and **7.3234, 0.4870, 0.4515** is the 20% darker color. If you saturate the color by 10%, you get **20.4316, 0.4741, 0.4618**, and if you desaturate by 10%, it is **21.4801, 0.4634, 0.4614**.

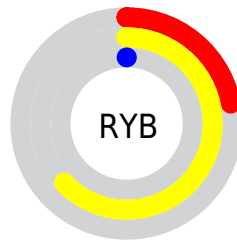
Distribution



Red (63%)

Green (46%)

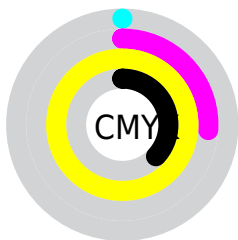
Blue (0%)



Red (22%)

Yellow (63%)

Blue (0%)

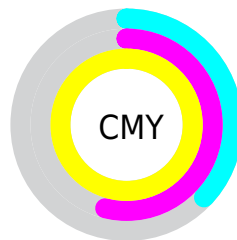


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4304, 0.4741, 0.4618 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 20.4304, 0.4741, 0.4618 by changing the saturation by 10% instead.


 20.4304, 0.4741,
0.4618


 20.4304, 0.4741,
0.4618


254.2357, 0.3914,
0.3983


 12.7083, 0.4907,
0.4718


 44.1376, 0.4458,
0.4418


 7.2280, 0.5144,
0.4856


 60.8915, 0.4344,
0.4331


 3.6051, 0.5213,
0.4787

 81.4248, 0.4246,
0.4254

 1.4552, 0.5329,
0.4671

 106.1218, 0.4161,
0.4186


 0.2569, 0.6267,
0.3733


 135.3670, 0.4087,
0.4126


 0.0000, 0.0000,
0.0000


 169.5448, 0.4022,


0.4072

 209.0396, 0.3965,
0.4025


 20.4304, 0.4741,
0.4618


 20.4304, 0.4741,
0.4618


 20.4316, 0.4741,
0.4618

 21.4801, 0.4634,
0.4614

 22.6027, 0.4505,
0.4573

 23.8127, 0.4350,
0.4486

 25.1159, 0.4176,
0.4360

 26.5176, 0.3992,
0.4204

■ 28.0224, 0.3804,
0.4028

■ 29.6343, 0.3620,
0.3842

■ 31.3573, 0.3444,
0.3654

■ 33.1949, 0.3279,
0.3468

Harmonies

Analogous

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



20.4304, 0.5202, 0.3876



20.4304, 0.4741, 0.4618



20.4304, 0.3902, 0.5217

Triad

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



20.4304, 0.4741, 0.4618



20.4304, 0.1532, 0.2978



20.4304, 0.3021, 0.2042

Complementary

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



20.4304, 0.4741, 0.4618



4.1929, 0.1592, 0.0931

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.



20.4304, 0.2121, 0.1788



20.4304, 0.4741, 0.4618



20.4304, 0.1394, 0.2166

Square

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



20.4304, 0.4741, 0.4618



20.4304, 0.2056, 0.4204



20.4304, 0.1588, 0.1809



20.4304, 0.4142, 0.2530

Rectangle

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



20.4304, 0.4741, 0.4618



20.4304, 0.3254, 0.5298



20.4304, 0.1588, 0.1809



20.4304, 0.2683, 0.1928

Sweetspot

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



20.4316, 0.4741, 0.4618



53.6367, 0.3630, 0.3853



7.6450, 0.5850, 0.2996



11.5058, 0.3702, 0.3927



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.4316, 0.4741, 0.4618



36.7557, 0.4753, 0.4608



29.3258, 0.3790, 0.5372



7.4255, 0.3267, 0.3454



15.9913, 0.4734, 0.4623



0.3500, 0.4479, 0.4826

Inverse Universe

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



4.1929, 0.1592, 0.0931



7.3288, 0.1584, 0.0901



2.9374, 0.1637, 0.0675



6.7043, 0.2988, 0.3120



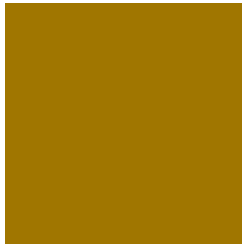
3.3300, 0.1596, 0.0946



0.1225, 0.1797, 0.1668

Previews

White Background



This preview shows how the Yxy color 20.4304, 0.4741, 0.4618 looks on a white background.

Color Contrast Check

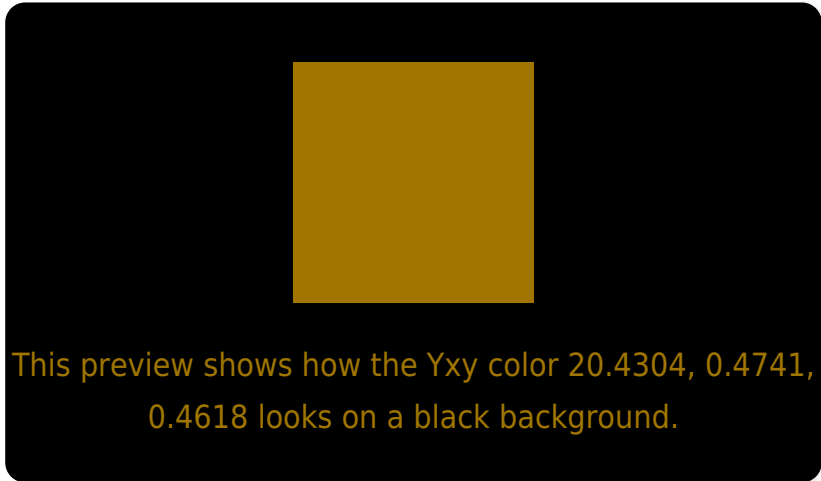
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4304, 0.4741, 0.4618

Background



This preview shows how black text looks on a background with the Yxy color 20.4304, 0.4741, 0.4618.



This preview shows how white text looks on a background with the Yxy color 20.4304, 0.4741, 0.4618.

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

20.4304, 0.4741, 0.4618

Protanopia

20.6042, 0.4366, 0.4864

Deuteranopia

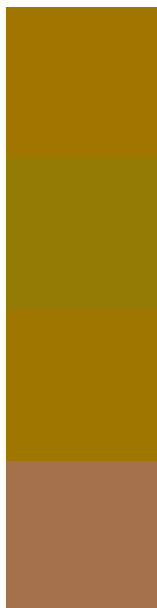
20.4628, 0.4702, 0.4649



Tritanopia

20.5669, 0.3783, 0.3166

Trichromacy



Original Color

20.4304, 0.4741, 0.4618

Protanomaly

20.4750, 0.4505, 0.4772

Deuteranomaly

20.5646, 0.4714, 0.4639

Tritanomaly

20.2108, 0.4318, 0.3882

Monochromacy



Original Color

20.4304, 0.4741, 0.4618

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.2035, 0.3876, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4304, 0.4741, 0.4618 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(160, 118, 0)` looks like.

```
.text, #text, p{  
  color:rgb(160, 118, 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(160, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.4304, 0.4741, 0.4618 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(160, 118, 0) }
```

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

```
.border{ border-color:rgb(160, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4304, 0.4741, 0.4618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 118, 0) }
```

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

```
.background{ background-color: rgb(160,  
118, 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