

Converting Colors

$Y_{xy}(10.0007, 0.4688, 0.4436)$

Have a look what the booklet for
Yxy(10.0007, 0.4688, 0.4436)
contains.

Yxy(10.0154, 0.4676, 0.4440)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0154, 0.4676, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	755313
RGB	117, 83, 19
RGB Percent	46%, 33%, 7%
CMY	0.5411, 0.6745, 0.9254
CMYK	0.00, 0.29, 0.84, 0.54
HSL	39°, 72%, 27%
HSV	39°, 84%, 46%
XYZ	10.5478, 10.0154, 1.9941
YIQ	85.8700, 40.8080, -12.6960

Conversions

Conversions Part 2

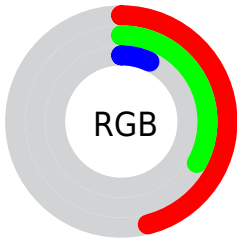
Format	Color
R_{YB}	71, 117, 19
Decimal	7688979
CIE Lab	37.87, 8.08, 40.16
CIE LCh	38, 40.966, 78.628
Yxy	10.0154, 0.4676, 0.4440
Android (android.graphics.Color)	4285879059 (0xFF755313)
YUV	85.8700, -32.9669, 27.3010
Hunter-Lab	31.6471, 4.1103, 18.4172

Details

The Yxy color **10.0154, 0.4676, 0.4440** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **3.9717, 0.1823, 0.1523**, and the grayscale version is **9.3425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.8041, 0.4322, 0.4204**, and **2.4762, 0.5001, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **9.3815, 0.4834, 0.4460**, and if you desaturate by 10%, it is **10.7060, 0.4494, 0.4376**.

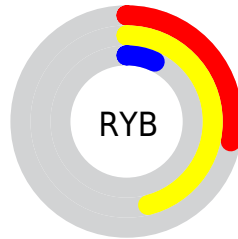
Distribution



Red (46%)

Green (33%)

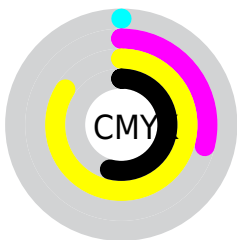
Blue (7%)



Red (28%)

Yellow (46%)

Blue (7%)

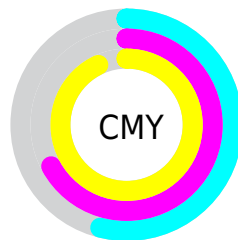


Cyan (0%)

Magenta (29%)

Yellow (84%)

Black (54%)



Cyan (54%)

Magenta (67%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0154, 0.4676, 0.4440 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 10.0154, 0.4676, 0.4440 by changing the saturation by 10% instead.

10.0154, 0.4676,
0.4440

10.0154, 0.4676,
0.4440

190.7819, 0.3758,
0.3804

5.4092, 0.4944,
0.4588

25.8245, 0.4316,
0.4212

2.4893, 0.5277,
0.4723

37.7961, 0.4187,
0.4122

0.8713, 0.5439,
0.4561

52.9916, 0.4081,
0.4046

0.0000, 0.0000,
0.0000


71.7955, 0.3994,
0.3982


94.5920, 0.3920,
0.3927


121.7657, 0.3858,


0.3880


 153.7009, 0.3805,
0.3839


 10.0154, 0.4676,
0.4440


 10.0154, 0.4676,
0.4440

 9.3815, 0.4834,
0.4460

 10.7060, 0.4494,
0.4376

 9.0064, 0.4933,
0.4465

 11.4555, 0.4296,
0.4274

 12.2671, 0.4091,
0.4142

 13.1434, 0.3887,
0.3991

 14.0866, 0.3691,
0.3830

■ 15.0989, 0.3506,
0.3665

■ 16.1824, 0.3336,
0.3503

■ 17.3388, 0.3181,
0.3346

■ 18.5700, 0.3041,
0.3199

Harmonies

Analogous

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



10.0154, 0.4995, 0.3775



10.0154, 0.4676, 0.4440



10.0154, 0.3967, 0.4967

Triad

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



10.0154, 0.4676, 0.4440



10.0154, 0.1734, 0.3159



10.0154, 0.2920, 0.2116

Complementary

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



10.0154, 0.4676, 0.4440



3.9717, 0.1823, 0.1523

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.



10.0154, 0.2144, 0.1914



10.0154, 0.4676, 0.4440



10.0154, 0.1552, 0.2368

Square

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



10.0154, 0.4676, 0.4440



10.0154, 0.2272, 0.4226



10.0154, 0.1691, 0.1978



10.0154, 0.3901, 0.2543

Rectangle

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



10.0154, 0.4676, 0.4440



10.0154, 0.3389, 0.5060



10.0154, 0.1691, 0.1978



10.0154, 0.2629, 0.2021

Sweetspot

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



10.0159, 0.4676, 0.4440



26.6803, 0.3540, 0.3696



4.5087, 0.4960, 0.2721



6.0185, 0.3590, 0.3741



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.0159, 0.4676, 0.4440



15.8675, 0.4956, 0.4447



15.6142, 0.3919, 0.5101



4.0625, 0.3261, 0.3428



9.8925, 0.4937, 0.4462



46.5605, 0.4987, 0.4422

Inverse Universe

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



3.9717, 0.1823, 0.1523



4.8552, 0.1650, 0.1140



2.0862, 0.1765, 0.0899



3.7786, 0.2995, 0.3148



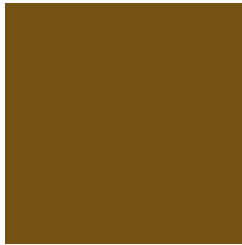
3.1052, 0.1660, 0.1176



13.6685, 0.1634, 0.1083

Previews

White Background



This preview shows how the Yxy color 10.0154, 0.4676, 0.4440 looks on a white background.

Color Contrast Check

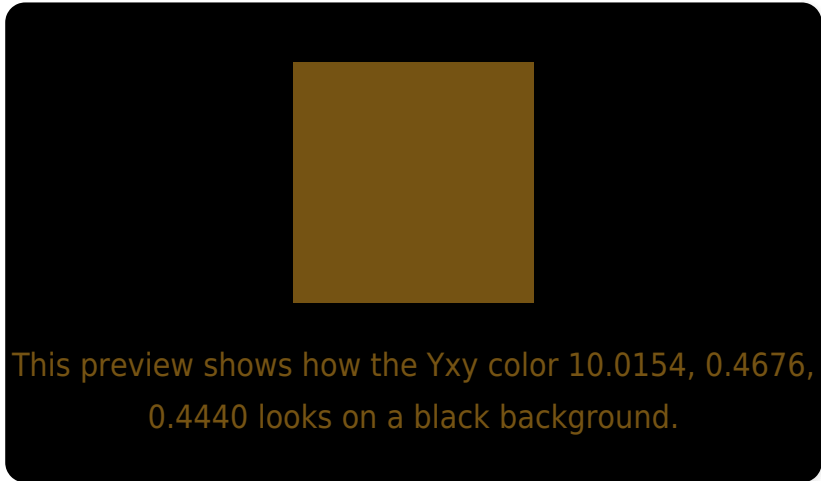
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 10.0154, 0.4676, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 10.0154, 0.4676, 0.4440.



This preview shows how white text looks on a background with the Yxy color 10.0154, 0.4676, 0.4440.

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

10.0154, 0.4676, 0.4440

Protanopia

10.1332, 0.4265, 0.4719

Deuteranopia

10.0514, 0.4581, 0.4529



Tritanopia

9.9972, 0.3832, 0.3166

Trichromacy



Original Color

10.0154, 0.4676, 0.4440

Protanomaly

9.9927, 0.4428, 0.4610

Deuteranomaly

9.9617, 0.4616, 0.4500

Tritanomaly

9.9113, 0.4229, 0.3690

Monochromacy



Original Color

10.0154, 0.4676, 0.4440

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.3862, 0.3719, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0154, 0.4676, 0.4440 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(117, 83, 19)` looks like.

```
.text, #text, p{  
    color:rgb(117, 83, 19)  
}
```

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(117, 83, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 83, 19) }
```

Border

The CSS property to change the border of an element to Yxy 10.0154, 0.4676, 0.4440 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(117, 83, 19) }
```

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

```
.border{ border-color:rgb(117, 83, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 83, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 83, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 83, 19);  
box-shadow:4px 4px 4px 4px rgb(117, 83,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0154, 0.4676, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 83, 19) }
```

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

```
.background{ background-color: rgb(117, 83,  
19) }
```

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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