

Converting Colors

$Y_{xy}(16.8682, 0.4853, 0.4101)$

Have a look what the booklet for
Yxy(16.8682, 0.4853, 0.4101)
contains.

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Color

Yxy(16.8703, 0.4853, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	A36329
RGB	163, 99, 41
RGB Percent	64%, 39%, 16%
CMY	0.3609, 0.6117, 0.8392
CMYK	0.00, 0.39, 0.75, 0.36
HSL	29°, 60%, 40%
HSV	29°, 75%, 64%
XYZ	19.9638, 16.8703, 4.3029
YIQ	111.5240, 56.7620, -4.4700

Conversions

Conversions Part 2

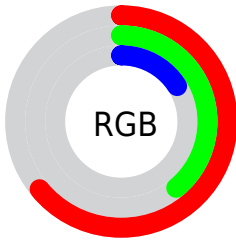
Format	Color
R_{YB}	163, 152, 41
Decimal	10707753
CIE _{Lab}	48.10, 20.94, 42.39
CIE _{LCh}	48, 47.277, 63.711
Yxy	16.8703, 0.4853, 0.4101
Android (android.graphics.Color)	4288897833 (0xFFA36329)
YUV	111.5240, -34.7683, 45.1445
Hunter-Lab	41.0735, 14.8815, 22.5401

Details

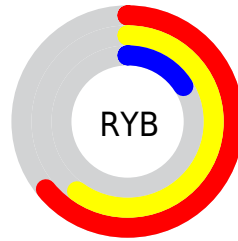
The Yxy color **16.8703, 0.4853, 0.4101** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.2146, 0.2018, 0.2121**, and the grayscale version is **16.1488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0805, 0.4479, 0.3978**, and **5.5202, 0.5360, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **15.2449, 0.5118, 0.4114**, and if you desaturate by 10%, it is **18.7161, 0.4572, 0.4043**.

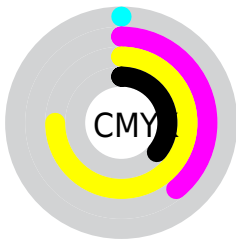
Distribution



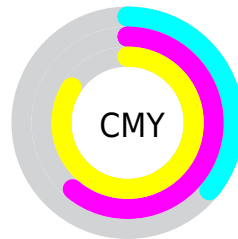
- Red (64%)
- Green (39%)
- Blue (16%)



- Red (64%)
- Yellow (60%)
- Blue (16%)



- Cyan (0%)
- Magenta (39%)
- Yellow (75%)
- Black (36%)





- Cyan (36%)
- Magenta (61%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8703, 0.4853, 0.4101 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 16.8703, 0.4853, 0.4101 by changing the saturation by 10% instead.

 16.8703, 0.4853,
0.4101


 16.8703, 0.4853,
0.4101


234.4238, 0.3879,
0.3718


 10.1421, 0.5111,
0.4155


 38.1026, 0.4480,
0.3983


 5.4933, 0.5470,
0.4206

 53.3755, 0.4345,
0.3930

 2.5395, 0.5863,
0.4137

 72.2654, 0.4232,
0.3883

 0.8963, 0.6225,
0.3775

 95.1567, 0.4138,
0.3842

 0.0000, 1.0000,
0.0000

 122.4338, 0.4058,
0.3805

 0.0000, 0.0000,
0.0000

 154.4811, 0.3990,

0.3773

191.6830, 0.3931,
0.3744

■ 16.8703, 0.4853,
0.4101

■ 16.8703, 0.4853,
0.4101

■ 15.2449, 0.5118,
0.4114

■ 18.7161, 0.4572,
0.4043

■ 13.8254, 0.5351,
0.4074

■ 20.7899, 0.4293,
0.3952

■ 13.1633, 0.5464,
0.4043

■ 23.1019, 0.4027,
0.3840

■ 25.6608, 0.3784,
0.3716

■ 28.4748, 0.3565,
0.3589

■ 31.5517, 0.3371,
0.3464

■ 34.8987, 0.3201,
0.3345

■ 38.5229, 0.3053,
0.3233

■ 42.4310, 0.2925,
0.3129

Harmonies

Analogous

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



16.8703, 0.4886, 0.3449



16.8703, 0.4853, 0.4101



16.8703, 0.4327, 0.4708

Triad

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



16.8703, 0.4853, 0.4101



16.8703, 0.1990, 0.3671



16.8703, 0.2515, 0.2015

Complementary

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



16.8703, 0.4853, 0.4101



13.2146, 0.2018, 0.2121

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.



16.8703, 0.1909, 0.1943



16.8703, 0.4853, 0.4101



16.8703, 0.1637, 0.2730

Square

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



16.8703, 0.4853, 0.4101



16.8703, 0.2674, 0.4637



16.8703, 0.1619, 0.2158



16.8703, 0.3399, 0.2331

Rectangle

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



16.8703, 0.4853, 0.4101



16.8703, 0.3813, 0.4969



16.8703, 0.1619, 0.2158



16.8703, 0.2278, 0.1963

Sweetspot

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



16.8712, 0.4853, 0.4101



52.3030, 0.3515, 0.3558



10.4133, 0.4243, 0.2388



11.4407, 0.3567, 0.3591



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



16.8712, 0.4853, 0.4101



25.5328, 0.5281, 0.4092



32.7123, 0.4129, 0.4843



7.6156, 0.3274, 0.3397



10.3226, 0.5450, 0.4055



0.3114, 0.4893, 0.4497

Inverse Universe

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



13.2146, 0.2018, 0.2121



18.5880, 0.1858, 0.1818



4.9982, 0.1741, 0.1028



7.4459, 0.2987, 0.3181



7.2558, 0.1803, 0.1691



0.2464, 0.1980, 0.2328

Previews

White Background



This preview shows how the Yxy color 16.8703, 0.4853, 0.4101 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



This preview shows how the Yxy color 16.8703, 0.4853, 0.4101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

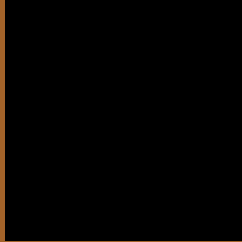
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8703, 0.4853, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 16.8703, 0.4853, 0.4101.



This preview shows how white text looks on a background with the Yxy color 16.8703, 0.4853, 0.4101.

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

16.8703, 0.4853, 0.4101

Protanopia

17.0401, 0.4135, 0.4544

Deuteranopia

16.9169, 0.4482, 0.4422



Tritanopia

16.8558, 0.4144, 0.3183

Trichromacy



Original Color

16.8703, 0.4853, 0.4101

Protanomaly

16.7818, 0.4401, 0.4368

Deuteranomaly

16.7337, 0.4623, 0.4298

Tritanomaly

16.7483, 0.4445, 0.3542

Monochromacy



Original Color

16.8703, 0.4853, 0.4101

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0126, 0.3760, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8703, 0.4853, 0.4101 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(163, 99, 41)` looks like.

```
.text, #text, p{  
    color:rgb(163, 99, 41)  
}
```

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(163, 99, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 99, 41) }
```

Border

The CSS property to change the border of an element to Yxy 16.8703, 0.4853, 0.4101 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(163, 99, 41) }
```

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

```
.border{ border-color:rgb(163, 99, 41) }
```

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

Here you see how a box with a 4 pixel rgb(163, 99, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 99, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 99, 41);  
box-shadow:4px 4px 4px 4px rgb(163, 99,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8703, 0.4853, 0.4101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 99, 41) }
```

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

```
.background{ background-color: rgb(163, 99,  
41) }
```

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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