

Converting Colors

$Y_{xy}(16.0202, 0.4887, 0.3815)$

Have a look what the booklet for
Yxy(16.0202, 0.4887, 0.3815)
contains.

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Color

Yxy(16.0733, 0.4878, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	A85B36
RGB	168, 91, 54
RGB Percent	66%, 36%, 21%
CMY	0.3411, 0.6431, 0.7881
CMYK	0.00, 0.46, 0.68, 0.34
HSL	19°, 51%, 44%
HSV	19°, 68%, 66%
XYZ	20.5573, 16.0733, 5.5123
YIQ	109.8050, 57.7690, 4.8170

Conversions

Conversions Part 2

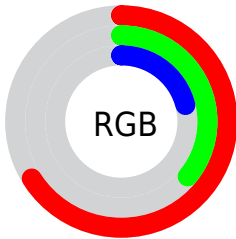
Format	Color
RYB	168, 109, 54
Decimal	11033398
CIELab	47.07, 28.28, 34.76
CIElCh	47, 44.805, 50.869
Yxy	16.0733, 0.4878, 0.3814
Android (android.graphics.Color)	4289223478 (0xFFA85B36)
YUV	109.8050, -27.5119, 51.0370
Hunter-Lab	40.0915, 21.3674, 19.9121

Details

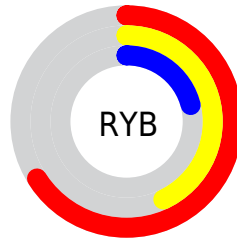
The Yxy color **16.0733, 0.4878, 0.3814** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.8556, 0.2183, 0.2593**, and the grayscale version is **15.6030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6362, 0.4477, 0.3749**, and **5.1248, 0.5564, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **14.1464, 0.5230, 0.3828**, and if you desaturate by 10%, it is **18.3500, 0.4529, 0.3766**.

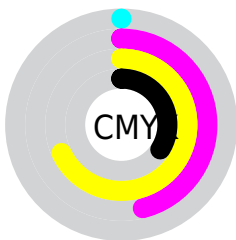
Distribution



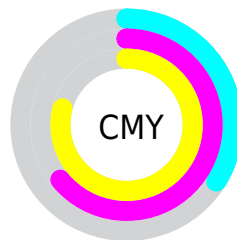
- Red (66%)
- Green (36%)
- Blue (21%)



- Red (66%)
- Yellow (43%)
- Blue (21%)



- Cyan (0%)
- Magenta (46%)
- Yellow (68%)
- Black (34%)




- Cyan (34%)
- Magenta (64%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0733, 0.4878, 0.3814 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 16.0733, 0.4878, 0.3814 by changing the saturation by 10% instead.


 16.0733, 0.4878,
0.3814


 16.0733, 0.4878,
0.3814


229.7739, 0.3863,
0.3583


 9.5760, 0.5170,
0.3834


 36.7254, 0.4477,
0.3750


 5.1188, 0.5557,
0.3821

 51.6490, 0.4335,
0.3718

 2.3171, 0.6206,
0.3794

 70.1503, 0.4220,
0.3689

 0.7827, 0.6693,
0.3307

 92.6135, 0.4124,
0.3663

 0.0000, 1.0000,
0.0000

 119.4230, 0.4043,
0.3640

 0.0000, 0.0000,
0.0000

 150.9633, 0.3974,

0.3619

187.6188, 0.3914,
0.3600

■ 16.0733, 0.4878,
0.3814

■ 16.0733, 0.4878,
0.3814

■ 14.1464, 0.5230,
0.3828

■ 18.3500, 0.4529,
0.3766

■ 12.5478, 0.5557,
0.3797

■ 20.9914, 0.4203,
0.3695

■ 11.2544, 0.5832,
0.3723

■ 24.0145, 0.3911,
0.3611

■ 11.0103, 0.5889,
0.3706

■ 27.4342, 0.3657,
0.3523

■ 31.2647, 0.3439,
0.3436

■ 35.5197, 0.3253,
0.3352

■ 40.2118, 0.3095,
0.3274

■ 45.3533, 0.2962,
0.3201

■ 50.9561, 0.2848,
0.3135

Harmonies

Analogous

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



16.0733, 0.4656, 0.3188



16.0733, 0.4878, 0.3814



16.0733, 0.4556, 0.4436

Triad

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



16.0733, 0.4878, 0.3814



16.0733, 0.2280, 0.4087



16.0733, 0.2247, 0.1992

Complementary

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



16.0733, 0.4878, 0.3814



19.8556, 0.2183, 0.2593

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.



16.0733, 0.1788, 0.2037



16.0733, 0.4878, 0.3814



16.0733, 0.1789, 0.3108

Square

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



16.0733, 0.4878, 0.3814



16.0733, 0.3044, 0.4827



16.0733, 0.1633, 0.2389



16.0733, 0.3002, 0.2202

Rectangle

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



16.0733, 0.4878, 0.3814



16.0733, 0.4128, 0.4775



16.0733, 0.1633, 0.2389



16.0733, 0.2059, 0.1977

Sweetspot

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



16.0741, 0.4878, 0.3814



54.9015, 0.3491, 0.3458



12.6303, 0.3771, 0.2202



11.5540, 0.3548, 0.3481



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.0741, 0.4878, 0.3814



24.2487, 0.5387, 0.3819



29.4947, 0.4227, 0.4572



7.9249, 0.3278, 0.3364



8.3982, 0.5871, 0.3721



0.2966, 0.5243, 0.4219

Inverse Universe

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



19.8556, 0.2183, 0.2593



31.3452, 0.2051, 0.2414



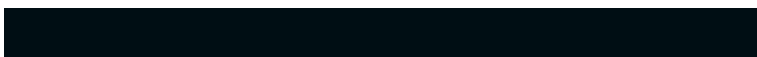
8.6344, 0.1919, 0.1492



8.1157, 0.2987, 0.3215



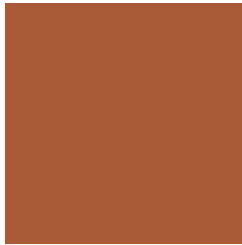
11.2356, 0.1948, 0.2214



0.3602, 0.2059, 0.2611

Previews

White Background



This preview shows how the Yxy color 16.0733, 0.4878, 0.3814 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 16.0733, 0.4878, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

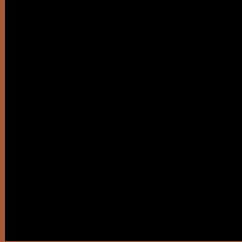
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0733, 0.4878, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 16.0733, 0.4878, 0.3814.



This preview shows how white text looks on a background with the Yxy color 16.0733, 0.4878, 0.3814.

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

16.0733, 0.4878, 0.3814

Protanopia

16.1362, 0.3928, 0.4281

Deuteranopia

16.2346, 0.4337, 0.4272



Tritanopia

15.9919, 0.4362, 0.3188

Trichromacy



Original Color

16.0733, 0.4878, 0.3814

Protanomaly

15.6951, 0.4280, 0.4106

Deuteranomaly

16.0304, 0.4554, 0.4095

Tritanomaly

15.9790, 0.4563, 0.3429

Monochromacy



Original Color

16.0733, 0.4878, 0.3814

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.2640, 0.3726, 0.3542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0733, 0.4878, 0.3814 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(168, 91, 54)` looks like.

```
.text, #text, p{  
  color:rgb(168, 91, 54)  
}
```

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(168, 91, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 91, 54) }
```

Border

The CSS property to change the border of an element to Yxy 16.0733, 0.4878, 0.3814 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(168, 91, 54) }
```

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

```
.border{ border-color:rgb(168, 91, 54) }
```

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

Here you see how a box with a 4 pixel rgb(168, 91, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 91, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 91, 54);  
box-shadow:4px 4px 4px 4px rgb(168, 91,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0733, 0.4878, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 91, 54) }
```

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

```
.background{ background-color: rgb(168, 91,  
54) }
```

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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