

Converting Colors

$Y_{xy}(16.4538, 0.4235, 0.4403)$

Have a look what the booklet for
Yxy(16.4538, 0.4235, 0.4403)
contains.

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Color

Yxy(16.3518, 0.4236, 0.4389)

Conversions

Conversions Part 1

Format	Color
Hex	856E30
RGB	133, 110, 48
RGB Percent	52%, 43%, 19%
CMY	0.4785, 0.5686, 0.8117
CMYK	0.00, 0.17, 0.64, 0.48
HSL	44°, 47%, 35%
HSV	44°, 64%, 52%
XYZ	15.7818, 16.3518, 5.1227
YIQ	109.8090, 33.6100, -14.4060

Conversions

Conversions Part 2

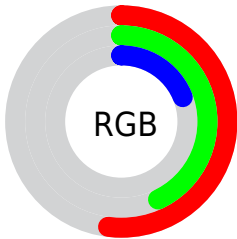
Format	Color
RYB	80, 133, 48
Decimal	8744496
CIELab	47.43, 1.40, 37.17
CIELCh	47, 37.192, 87.843
Yxy	16.3518, 0.4236, 0.4389
Android (android.graphics.Color)	4286934576 (0xFF856E30)
YUV	109.8090, -30.4718, 20.3385
Hunter-Lab	40.4374, -1.1009, 20.7951

Details

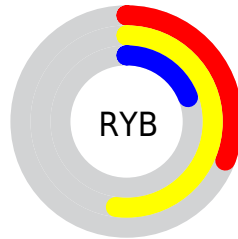
The Yxy color **16.3518, 0.4236, 0.4389** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.8296, 0.2048, 0.1815**, and the grayscale version is **15.6178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0442, 0.3993, 0.4150**, and **5.2605, 0.4584, 0.4742** is the 20% darker color. If you saturate the color by 10%, you get **15.4980, 0.4406, 0.4502**, and if you desaturate by 10%, it is **17.2717, 0.4054, 0.4245**.

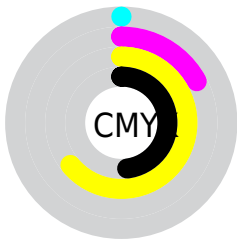
Distribution



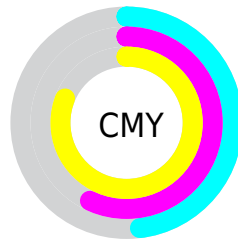
- Red (52%)
- Green (43%)
- Blue (19%)



- Red (31%)
- Yellow (52%)
- Blue (19%)



- Cyan (0%)
- Magenta (17%)
- Yellow (64%)
- Black (48%)





- Cyan (48%)
- Magenta (57%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3518, 0.4236, 0.4389 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 16.3518, 0.4236, 0.4389 by changing the saturation by 10% instead.


 16.3518, 0.4236,
0.4389


 16.3518, 0.4236,
0.4389


231.4088, 0.3612,
0.3777


 9.7734, 0.4401,
0.4547


 37.2079, 0.3997,
0.4157


 5.2490, 0.4613,
0.4746

 52.2544, 0.3910,
0.4071


 2.3941, 0.4945,
0.5055

 70.8924, 0.3839,
0.4001

 0.8228, 0.4980,
0.5020

 93.5063, 0.3778,
0.3941

 0.0000, 0.0000,
0.0000

 120.4805, 0.3727,
0.3891

 152.1994, 0.3684,

0.3847

189.0473, 0.3646,
0.3810

■ 16.3518, 0.4236,
0.4389

■ 16.3518, 0.4236,
0.4389

■ 15.4980, 0.4406,
0.4502

■ 17.2717, 0.4054,
0.4245

■ 14.7044, 0.4555,
0.4575

■ 18.2582, 0.3867,
0.4078

■ 13.9677, 0.4679,
0.4603

■ 19.3151, 0.3682,
0.3899

■ 13.5381, 0.4750,
0.4610

■ 20.4447, 0.3505,
0.3715

■ 21.6496, 0.3338,
0.3533

■ 22.9318, 0.3184,
0.3356

■ 24.2935, 0.3042,
0.3189

■ 25.7367, 0.2914,
0.3032

■ 27.2634, 0.2799,
0.2886

Harmonies

Analogous

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



16.3518, 0.4569, 0.3898



16.3518, 0.4236, 0.4389



16.3518, 0.3626, 0.4645

Triad

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



16.3518, 0.4236, 0.4389



16.3518, 0.1937, 0.2993



16.3518, 0.3206, 0.2432

Complementary

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



16.3518, 0.4236, 0.4389



6.8296, 0.2048, 0.1815

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.



16.3518, 0.2519, 0.2203



16.3518, 0.4236, 0.4389



16.3518, 0.1857, 0.2448

Square

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



16.3518, 0.4236, 0.4389



16.3518, 0.2305, 0.3758



16.3518, 0.2055, 0.2196



16.3518, 0.3953, 0.2837

Rectangle

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



16.3518, 0.4236, 0.4389



16.3518, 0.3153, 0.4563



16.3518, 0.2055, 0.2196



16.3518, 0.2959, 0.2333

Sweetspot

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



16.3526, 0.4236, 0.4389



37.5625, 0.3429, 0.3633



7.5707, 0.4499, 0.2862



8.3446, 0.3471, 0.3678



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.3526, 0.4236, 0.4389



27.0534, 0.4481, 0.4543



20.6032, 0.3752, 0.4851



5.2156, 0.3263, 0.3448



12.9105, 0.4749, 0.4612



0.0568, 0.4447, 0.4851

Inverse Universe

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



6.8296, 0.2048, 0.1815



8.6505, 0.1824, 0.1430



4.9821, 0.2144, 0.1411



4.7345, 0.2992, 0.3127



2.8258, 0.1605, 0.0978



0.0206, 0.1817, 0.1741

Previews

White Background



This preview shows how the Yxy color 16.3518, 0.4236, 0.4389 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 16.3518, 0.4236, 0.4389 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 16.3518, 0.4236, 0.4389

Background



This preview shows how black text looks on a background with the Yxy color 16.3518, 0.4236, 0.4389.



This preview shows how white text looks on a background with the Yxy color 16.3518, 0.4236, 0.4389.

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

16.3518, 0.4236, 0.4389

Protanopia

16.3920, 0.4077, 0.4480

Deuteranopia

16.3126, 0.4362, 0.4280



Tritanopia

16.2515, 0.3523, 0.3145

Trichromacy



Original Color

16.3518, 0.4236, 0.4389

Protanomaly

16.3993, 0.4131, 0.4442

Deuteranomaly

16.2652, 0.4307, 0.4316

Tritanomaly

16.2469, 0.3811, 0.3628

Monochromacy



Original Color

16.3518, 0.4236, 0.4389

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6915, 0.3539, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3518, 0.4236, 0.4389 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(133, 110, 48)` looks like.

```
.text, #text, p{  
    color:rgb(133, 110, 48)  
}
```

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(133, 110, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 110, 48) }
```

Border

The CSS property to change the border of an element to Yxy 16.3518, 0.4236, 0.4389 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(133, 110, 48) }
```

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

```
.border{ border-color:rgb(133, 110, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 110, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 110, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 110, 48);  
box-shadow:4px 4px 4px 4px rgb(133, 110,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3518, 0.4236, 0.4389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 110, 48) }
```

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

```
.background{ background-color: rgb(133,  
110, 48) }
```

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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