

Converting Colors

$Y_{xy}(16.5642, 0.3859, 0.4703)$

Have a look what the booklet for
Yxy(16.5642, 0.3859, 0.4703)
contains.

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Color

Yxy(16.5989, 0.3866, 0.4699)

Conversions

Conversions Part 1

Format	Color
Hex	70762E
RGB	112, 118, 46
RGB Percent	44%, 46%, 18%
CMY	0.5607, 0.5373, 0.8196
CMYK	0.05, 0.00, 0.61, 0.54
HSL	65°, 44%, 32%
HSV	65°, 61%, 46%
XYZ	13.6564, 16.5989, 5.0690
YIQ	107.9980, 19.5360, -23.6640

Conversions

Conversions Part 2

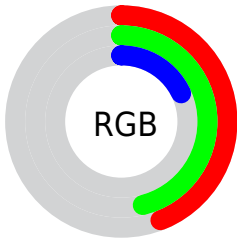
Format	Color
R_{YB}	46, 118, 52
Decimal	7370286
CIE _{Lab}	47.75, -12.91, 37.97
CIE _{LCh}	48, 40.101, 108.776
Yxy	16.5989, 0.3866, 0.4699
Android (android.graphics.Color)	4285560366 (0xFF70762E)
YUV	107.9980, -30.5650, 3.5098
Hunter-Lab	40.7417, -11.4660, 21.1424

Details

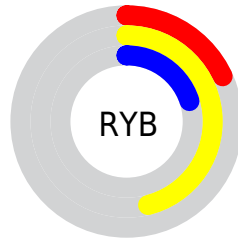
The Yxy color **16.5989, 0.3866, 0.4699** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.9914, 0.2077, 0.1464**, and the grayscale version is **15.0805, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5750, 0.3719, 0.4373**, and **5.4045, 0.4014, 0.5194** is the 20% darker color. If you saturate the color by 10%, you get **16.4552, 0.3945, 0.4870**, and if you desaturate by 10%, it is **16.7704, 0.3767, 0.4497**.

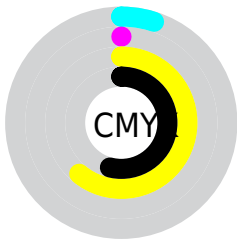
Distribution



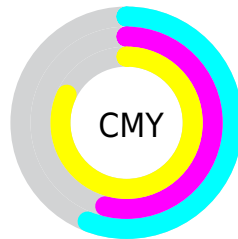
- Red (44%)
- Green (46%)
- Blue (18%)



- Red (18%)
- Yellow (46%)
- Blue (20%)



- Cyan (5%)
- Magenta (0%)
- Yellow (61%)
- Black (54%)





- Cyan (56%)
- Magenta (54%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5989, 0.3866, 0.4699 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 16.5989, 0.3866, 0.4699 by changing the saturation by 10% instead.


 16.5989, 0.3866,
0.4699


 16.5989, 0.3866,
0.4699


 232.8502, 0.3472,
0.3875


 9.9489, 0.3954,
0.4940


 37.6348, 0.3724,
0.4370


 5.3651, 0.4050,
0.5271

 52.7896, 0.3669,
0.4255

 2.4630, 0.4184,
0.5816

 71.5481, 0.3623,
0.4162

 0.8580, 0.3684,
0.6316

 94.2947, 0.3583,
0.4084

 0.0000, 0.0000,
0.0000

 121.4138, 0.3550,
0.4019

 153.2899, 0.3520,

0.3964

190.3072, 0.3494,
0.3916

■ 16.5989, 0.3866,
0.4699

■ 16.5989, 0.3866,
0.4699

■ 16.4552, 0.3945,
0.4870

■ 16.7704, 0.3767,
0.4497

■ 16.3349, 0.4002,
0.5004

■ 16.9693, 0.3653,
0.4273

■ 16.2362, 0.4036,
0.5097

■ 17.1982, 0.3529,
0.4034

■ 16.1574, 0.4054,
0.5163

■ 17.4586, 0.3399,
0.3790

■ 17.7520, 0.3268,
0.3548

■ 18.0798, 0.3140,
0.3313

■ 18.4432, 0.3016,
0.3090

■ 18.8436, 0.2899,
0.2881

■ 19.2820, 0.2790,
0.2687

Harmonies

Analogous

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



16.5989, 0.4452, 0.4306



16.5989, 0.3866, 0.4699



16.5989, 0.3122, 0.4656

Triad

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



16.5989, 0.3866, 0.4699



16.5989, 0.1774, 0.2528



16.5989, 0.3779, 0.2661

Complementary

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



16.5989, 0.3866, 0.4699



3.9914, 0.2077, 0.1464

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.



16.5989, 0.2968, 0.2285



16.5989, 0.3866, 0.4699



16.5989, 0.1896, 0.2175

Square

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



16.5989, 0.3866, 0.4699



16.5989, 0.1945, 0.3197



16.5989, 0.2300, 0.2109



16.5989, 0.4449, 0.3175

Rectangle

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



16.5989, 0.3866, 0.4699



16.5989, 0.2637, 0.4301



16.5989, 0.2300, 0.2109



16.5989, 0.3507, 0.2517

Sweetspot

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



16.5997, 0.3866, 0.4699



30.8272, 0.3365, 0.3728



6.3990, 0.4841, 0.3390



7.0609, 0.3396, 0.3785



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.



16.5997, 0.3866, 0.4699



28.8508, 0.3970, 0.4926



14.7392, 0.3385, 0.4965



4.2516, 0.3243, 0.3501



17.4790, 0.4054, 0.5163



84.9978, 0.4046, 0.5169

Inverse Universe

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



3.9914, 0.2077, 0.1464



4.5999, 0.1832, 0.1067



5.2787, 0.2618, 0.1694



3.6030, 0.3006, 0.3072



1.4805, 0.1541, 0.0623



7.0522, 0.1520, 0.0611

Previews

White Background



This preview shows how the Yxy color 16.5989, 0.3866, 0.4699 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 16.5989, 0.3866, 0.4699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

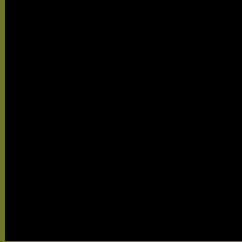
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5989, 0.3866, 0.4699

Background



This preview shows how black text looks on a background with the Yxy color 16.5989, 0.3866, 0.4699.



This preview shows how white text looks on a background with the Yxy color 16.5989, 0.3866, 0.4699.

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

16.5989, 0.3866, 0.4699

Protanopia

16.4353, 0.4129, 0.4530

Deuteranopia

16.5223, 0.4350, 0.4295



Tritanopia

16.6227, 0.3134, 0.3135

Trichromacy



Original Color

16.5989, 0.3866, 0.4699

Protanomaly

16.5159, 0.4035, 0.4599

Deuteranomaly

16.5476, 0.4170, 0.4442

Tritanomaly

16.5203, 0.3429, 0.3739

Monochromacy



Original Color

16.5989, 0.3866, 0.4699

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4954, 0.3427, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5989, 0.3866, 0.4699 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(112, 118, 46)` looks like.

```
.text, #text, p{  
    color:rgb(112, 118, 46)  
}
```

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(112, 118, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 118, 46) }
```

Border

The CSS property to change the border of an element to Yxy 16.5989, 0.3866, 0.4699 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(112, 118, 46) }
```

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

```
.border{ border-color:rgb(112, 118, 46) }
```

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

Here you see how a box with a 4 pixel rgb(112, 118, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 118, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 118, 46);  
box-shadow:4px 4px 4px 4px rgb(112, 118,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5989, 0.3866, 0.4699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 118, 46) }
```

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

```
.background{ background-color: rgb(112,  
118, 46) }
```

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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