

Converting Colors

$Y_{xy}(16.4909, 0.3813, 0.4635)$

Have a look what the booklet for
Yxy(16.4909, 0.3813, 0.4635)
contains.

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Color

Yxy(16.5667, 0.3815, 0.4644)

Conversions

Conversions Part 1

Format	Color
Hex	6F7632
RGB	111, 118, 50
RGB Percent	44%, 46%, 20%
CMY	0.5647, 0.5372, 0.8039
CMYK	0.06, 0.00, 0.58, 0.54
HSL	66°, 40%, 33%
HSV	66°, 58%, 46%
XYZ	13.6094, 16.5667, 5.4973
YIQ	108.1550, 17.6560, -22.6320

Conversions

Conversions Part 2

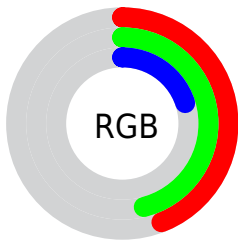
Format	Color
R_{YB}	50, 118, 57
Decimal	7304754
CIE _{Lab}	47.71, -13.03, 35.92
CIE _{LCh}	48, 38.214, 109.936
Yxy	16.5667, 0.3815, 0.4644
Android (android.graphics.Color)	4285494834 (0xFF6F7632)
YUV	108.1550, -28.6704, 2.4951
Hunter-Lab	40.7022, -11.5448, 20.4838

Details

The Yxy color **16.5667, 0.3815, 0.4644** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.4588, 0.2160, 0.1579**, and the grayscale version is **15.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5428, 0.3677, 0.4323**, and **5.3724, 0.3992, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **16.4001, 0.3898, 0.4830**, and if you desaturate by 10%, it is **16.7622, 0.3714, 0.4430**.

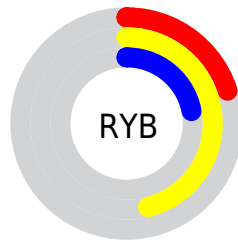
Distribution



Red (44%)

Green (46%)

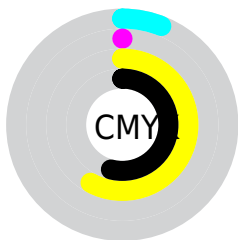
Blue (20%)



Red (20%)

Yellow (46%)

Blue (22%)

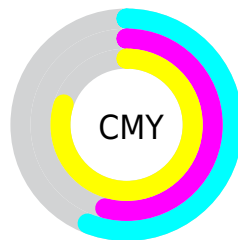


Cyan (6%)

Magenta (0%)

Yellow (58%)

Black (54%)



Cyan (56%)

Magenta (54%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.5667, 0.3815, 0.4644 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 16.5667, 0.3815, 0.4644 by changing the saturation by 10% instead.

16.5667, 0.3815,
0.4644

16.5667, 0.3815,
0.4644

232.6629, 0.3446,
0.3848

9.9260, 0.3900,
0.4882

37.5793, 0.3681,
0.4324

5.3500, 0.3990,
0.5204

52.7200, 0.3629,
0.4213

2.4540, 0.4176,
0.5824

71.4628, 0.3586,
0.4123

0.8535, 0.3662,
0.6338

94.1922, 0.3549,
0.4049

0.0000, 0.0000,
0.0000

121.2925, 0.3518,
0.3986

153.1481, 0.3491,

0.3933

190.1434, 0.3467,
0.3888

■ 16.5667, 0.3815,
0.4644

■ 16.5667, 0.3815,
0.4644

■ 16.4001, 0.3898,
0.4830

■ 16.7622, 0.3714,
0.4430

■ 16.2580, 0.3959,
0.4981

■ 16.9861, 0.3599,
0.4197

■ 16.1388, 0.3997,
0.5093

■ 17.2409, 0.3476,
0.3954

■ 16.0364, 0.4016,
0.5171

■ 17.5281, 0.3349,
0.3709

■ 16.0126, 0.4020,
0.5190

■ 17.8491, 0.3222,
0.3468

■ 18.2054, 0.3098,
0.3236

■ 18.5982, 0.2980,
0.3018

■ 19.0287, 0.2868,
0.2814

■ 19.4981, 0.2763,
0.2627

Harmonies

Analogous

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



16.5667, 0.4382, 0.4290



16.5667, 0.3815, 0.4644



16.5667, 0.3100, 0.4573

Triad

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



16.5667, 0.3815, 0.4644



16.5667, 0.1826, 0.2546



16.5667, 0.3779, 0.2705

Complementary

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



16.5667, 0.3815, 0.4644



4.4588, 0.2160, 0.1579

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.



16.5667, 0.3006, 0.2334



16.5667, 0.3815, 0.4644



16.5667, 0.1954, 0.2214

Square

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



16.5667, 0.3815, 0.4644



16.5667, 0.1982, 0.3176



16.5667, 0.2356, 0.2157



16.5667, 0.4405, 0.3205

Rectangle

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



16.5667, 0.3815, 0.4644



16.5667, 0.2637, 0.4223



16.5667, 0.2356, 0.2157



16.5667, 0.3522, 0.2563

Sweetspot

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



16.5675, 0.3815, 0.4644



30.8290, 0.3347, 0.3703



6.9882, 0.4668, 0.3433



7.0699, 0.3366, 0.3740



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.



16.5675, 0.3815, 0.4644



28.7529, 0.3919, 0.4881



14.7742, 0.3350, 0.4886



4.2480, 0.3240, 0.3501



17.3190, 0.4020, 0.5190



84.1809, 0.4010, 0.5198

Inverse Universe

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



4.4588, 0.2160, 0.1579



5.2762, 0.1919, 0.1185



5.8029, 0.2694, 0.1796



3.6063, 0.3009, 0.3072



1.4977, 0.1552, 0.0628



7.1121, 0.1528, 0.0615

Previews

White Background



This preview shows how the Yxy color 16.5667, 0.3815, 0.4644 looks on a white background.

Color Contrast Check

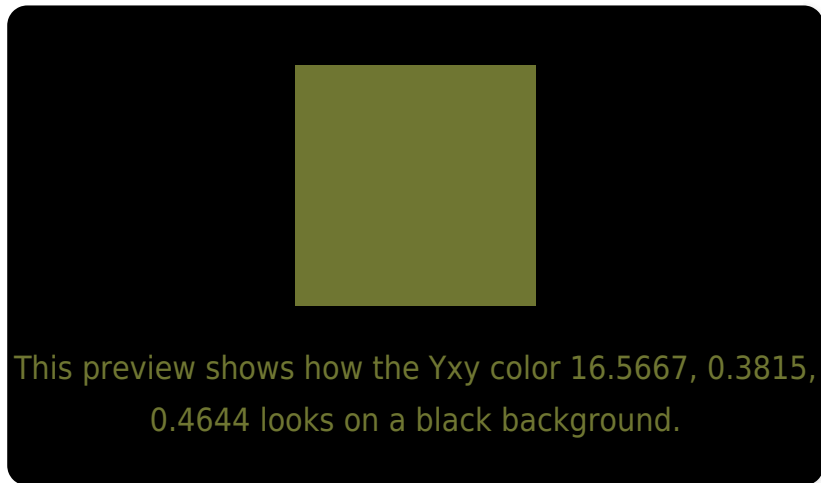
Large Text (above 18pt) WCAG AA ✓ Pass

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

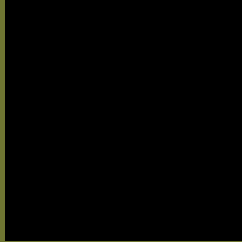
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5667, 0.3815, 0.4644

Background



This preview shows how black text looks on a background with the Yxy color 16.5667, 0.3815, 0.4644.



This preview shows how white text looks on a background with the Yxy color 16.5667, 0.3815, 0.4644.

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

16.5667, 0.3815, 0.4644

Protanopia

16.4676, 0.4091, 0.4472

Deuteranopia

16.5576, 0.4307, 0.4240



Tritanopia

16.5765, 0.3109, 0.3115

Trichromacy



Original Color

16.5667, 0.3815, 0.4644

Protanomaly

16.5482, 0.3997, 0.4540

Deuteranomaly

16.5034, 0.4115, 0.4390

Tritanomaly

16.5057, 0.3377, 0.3678

Monochromacy



Original Color

16.5667, 0.3815, 0.4644

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5277, 0.3401, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5667, 0.3815, 0.4644 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(111, 118, 50)` looks like.

```
.text, #text, p{  
    color:rgb(111, 118, 50)  
}
```

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(111, 118, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 118, 50) }
```

Border

The CSS property to change the border of an element to Yxy 16.5667, 0.3815, 0.4644 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(111, 118, 50) }
```

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

```
.border{ border-color:rgb(111, 118, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 118, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 118, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 118, 50);  
box-shadow:4px 4px 4px 4px rgb(111, 118,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5667, 0.3815, 0.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 118, 50) }
```

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

```
.background{ background-color: rgb(111,  
118, 50) }
```

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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