

Converting Colors

$Y_{xy}(16.8064, 0.3839, 0.4870)$

Have a look what the booklet for
Yxy(16.8064, 0.3839, 0.4870)
contains.

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Color

$\text{Yxy}(16.7676, 0.3846, 0.4861)$

Conversions

Conversions Part 1

Format	Color
Hex	6C7827
RGB	108, 120, 39
RGB Percent	42%, 47%, 15%
CMY	0.5765, 0.5294, 0.8469
CMYK	0.10, 0.00, 0.67, 0.53
HSL	69°, 51%, 31%
HSV	69°, 67%, 47%
XYZ	13.2664, 16.7676, 4.4601
YIQ	107.1780, 18.8490, -27.7350

Conversions

Conversions Part 2

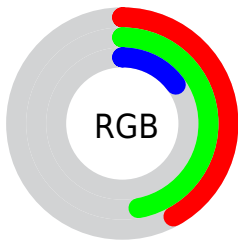
Format	Color
RYB	39, 120, 51
Decimal	7108647
CIELab	47.97, -16.35, 41.34
CIELCh	48, 44.459, 111.579
Yxy	16.7676, 0.3846, 0.4861
Android (android.graphics.Color)	4285298727 (0xFF6C7827)
YUV	107.1780, -33.6118, 0.7209
Hunter-Lab	40.9483, -13.8289, 22.2059

Details

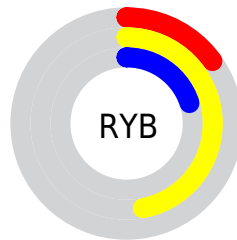
The Yxy color **16.7676, 0.3846, 0.4861** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5153, 0.2020, 0.1294**, and the grayscale version is **14.8472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9077, 0.3724, 0.4488**, and **5.5343, 0.3887, 0.5296** is the 20% darker color. If you saturate the color by 10%, you get **16.5904, 0.3900, 0.5022**, and if you desaturate by 10%, it is **16.9738, 0.3770, 0.4666**.

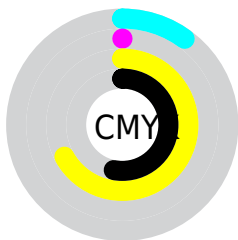
Distribution



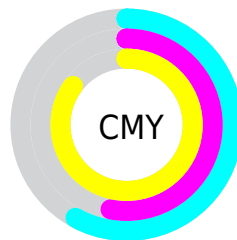
- Red (42%)
- Green (47%)
- Blue (15%)



- Red (15%)
- Yellow (47%)
- Blue (20%)



- Cyan (10%)
- Magenta (0%)
- Yellow (67%)
- Black (53%)



- Cyan (58%)
- Magenta (53%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7676, 0.3846, 0.4861 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 16.7676, 0.3846, 0.4861 by changing the saturation by 10% instead.

■ 16.7676, 0.3846,
0.4861

■ 16.7676, 0.3846,
0.4861

■ 233.8295, 0.3476,
0.3941

■ 10.0689, 0.3916,
0.5127

■ 37.9258, 0.3720,
0.4496

■ 5.4447, 0.3998,
0.5515

■ 53.1541, 0.3668,
0.4367

■ 2.5105, 0.3998,
0.6002

■ 71.9943, 0.3624,
0.4263

■ 0.8819, 0.3324,
0.6676

■ 94.8310, 0.3586,
0.4176

■ 0.0000, 0.0000,
0.0000

■ 122.0485, 0.3553,
0.4103

■ 154.0311, 0.3524,

0.4041

191.1634, 0.3498,
0.3988

■ 16.7676, 0.3846,
0.4861

■ 16.7676, 0.3846,
0.4861

■ 16.5904, 0.3900,
0.5022

■ 16.9738, 0.3770,
0.4666

■ 16.4374, 0.3930,
0.5143

■ 17.2089, 0.3677,
0.4443

■ 16.3034, 0.3941,
0.5229

■ 17.4756, 0.3570,
0.4204

■ 16.2703, 0.3943,
0.5251

■ 17.7756, 0.3455,
0.3956

■ 18.1105, 0.3335,
0.3707

■ 18.4819, 0.3215,
0.3464

■ 18.8912, 0.3098,
0.3233

■ 19.3398, 0.2985,
0.3015

■ 19.8288, 0.2879,
0.2812

Harmonies

Analogous

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



16.7676, 0.4519, 0.4433



16.7676, 0.3846, 0.4861



16.7676, 0.3029, 0.4780

Triad

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



16.7676, 0.3846, 0.4861



16.7676, 0.1659, 0.2396



16.7676, 0.3925, 0.2649

Complementary

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



16.7676, 0.3846, 0.4861



3.5153, 0.2020, 0.1294

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.



16.7676, 0.3027, 0.2228



16.7676, 0.3846, 0.4861



16.7676, 0.1819, 0.2056

Square

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



16.7676, 0.3846, 0.4861



16.7676, 0.1806, 0.3094



16.7676, 0.2278, 0.2016



16.7676, 0.4635, 0.3207

Rectangle

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



16.7676, 0.3846, 0.4861



16.7676, 0.2510, 0.4346



16.7676, 0.2278, 0.2016



16.7676, 0.3627, 0.2489

Sweetspot

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



16.7684, 0.3846, 0.4861



31.6654, 0.3371, 0.3782



6.4075, 0.5046, 0.3496



7.4723, 0.3399, 0.3838



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.7684, 0.3846, 0.4861



29.0232, 0.3920, 0.5094



14.8363, 0.3324, 0.5180



4.6052, 0.3234, 0.3503



17.7435, 0.3942, 0.5252



84.3474, 0.3929, 0.5263

Inverse Universe

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



3.5153, 0.2020, 0.1294



3.9259, 0.1771, 0.0909



4.9996, 0.2642, 0.1579



3.9195, 0.3015, 0.3071



1.6133, 0.1580, 0.0644



7.4590, 0.1550, 0.0628

Previews

White Background



This preview shows how the Yxy color 16.7676, 0.3846, 0.4861 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 16.7676, 0.3846, 0.4861 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 16.7676, 0.3846, 0.4861

Background



This preview shows how black text looks on a background with the Yxy color 16.7676, 0.3846, 0.4861.



This preview shows how white text looks on a background with the Yxy color 16.7676, 0.3846, 0.4861.

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

16.7676, 0.3846, 0.4861

Protanopia

16.6802, 0.4200, 0.4639

Deuteranopia

16.6503, 0.4437, 0.4358



Tritanopia

16.6818, 0.3070, 0.3114

Trichromacy



Original Color

16.7676, 0.3846, 0.4861

Protanomaly

16.6238, 0.4068, 0.4716

Deuteranomaly

16.5013, 0.4226, 0.4523

Tritanomaly

16.5275, 0.3396, 0.3785

Monochromacy



Original Color

16.7676, 0.3846, 0.4861

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.3233, 0.3436, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7676, 0.3846, 0.4861 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(108, 120, 39)` looks like.

```
.text, #text, p{  
    color:rgb(108, 120, 39)  
}
```

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(108, 120, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 120, 39) }
```

Border

The CSS property to change the border of an element to Yxy 16.7676, 0.3846, 0.4861 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(108, 120, 39) }
```

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

```
.border{ border-color:rgb(108, 120, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 120, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 120, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 120, 39);  
box-shadow:4px 4px 4px 4px rgb(108, 120,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7676, 0.3846, 0.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 120, 39) }
```

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

```
.background{ background-color: rgb(108,  
120, 39) }
```

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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