

Converting Colors

$Y_{xy}(16.8441, 0.4076, 0.4892)$

Have a look what the booklet for
Yxy(16.8441, 0.4076, 0.4892)
contains.

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Color

Yxy(16.8179, 0.4076, 0.4893)

Conversions

Conversions Part 1

Format	Color
Hex	75761B
RGB	117, 118, 27
RGB Percent	46%, 46%, 11%
CMY	0.5413, 0.5372, 0.8942
CMYK	0.01, 0.00, 0.77, 0.54
HSL	61°, 63%, 28%
HSV	61°, 77%, 46%
XYZ	14.0098, 16.8179, 3.5437
YIQ	107.3270, 28.6150, -28.5130

Conversions

Conversions Part 2

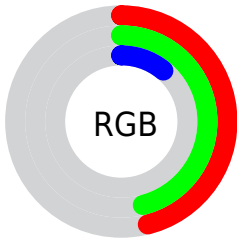
Format	Color
R_{YB}	27, 118, 28
Decimal	7697947
CIE _{Lab}	48.03, -11.87, 46.54
CIE _{LCh}	48, 48.031, 104.309
Yxy	16.8179, 0.4076, 0.4893
Android (android.graphics.Color)	4285888027 (0xFF75761B)
YUV	107.3270, -39.6012, 8.4832
Hunter-Lab	41.0096, -10.7875, 23.5834

Details

The Yxy color **16.8179, 0.4076, 0.4893** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.3387, 0.1736, 0.0980**, and the grayscale version is **14.9040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0846, 0.3909, 0.4539**, and **5.5386, 0.4104, 0.5123** is the 20% darker color. If you saturate the color by 10%, you get **16.7653, 0.4130, 0.4988**, and if you desaturate by 10%, it is **16.8940, 0.3998, 0.4759**.

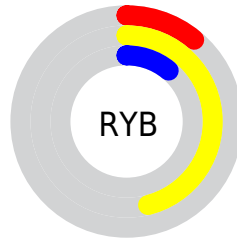
Distribution



Red (46%)

Green (46%)

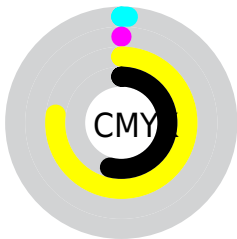
Blue (11%)



Red (11%)

Yellow (46%)

Blue (11%)

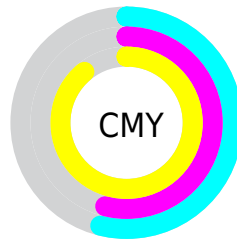


Cyan (1%)

Magenta (0%)

Yellow (77%)

Black (54%)



Cyan (54%)


Magenta (54%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8179, 0.4076, 0.4893 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 16.8179, 0.4076, 0.4893 by changing the saturation by 10% instead.


 16.8179, 0.4076,
0.4893


 16.8179, 0.4076,
0.4893


234.1208, 0.3585,
0.3982


 10.1047, 0.4169,
0.5131


 38.0124, 0.3908,
0.4544


 5.4685, 0.4336,
0.5537

 53.2626, 0.3840,
0.4417

 2.5247, 0.4246,
0.5754

 72.1272, 0.3781,
0.4312

 0.8889, 0.3844,
0.6156


 94.9906, 0.3731,
0.4224

 0.0000, 0.0000,
0.0000

 122.2373, 0.3687,
0.4149


 154.2516, 0.3649,


0.4086

 191.4180, 0.3615,
0.4030

 16.8179, 0.4076,
0.4893


 16.8179, 0.4076,
0.4893


 16.7653, 0.4130,
0.4988

 16.8940, 0.3998,
0.4759


 16.7285, 0.4165,
0.5050

 16.9936, 0.3898,
0.4589

 16.7184, 0.4174,
0.5068

 17.1197, 0.3781,
0.4389

 17.2739, 0.3649,
0.4167

 17.4581, 0.3510,
0.3933

■ 17.6736, 0.3368,
0.3693

■ 17.9220, 0.3226,
0.3455

■ 18.2047, 0.3088,
0.3225

■ 18.5228, 0.2957,
0.3006

Harmonies

Analogous

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



16.8179, 0.4734, 0.4339



16.8179, 0.4076, 0.4893



16.8179, 0.3222, 0.5000

Triad

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



16.8179, 0.4076, 0.4893



16.8179, 0.1574, 0.2468



16.8179, 0.3751, 0.2480

Complementary

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



16.8179, 0.4076, 0.4893



2.3387, 0.1736, 0.0980

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.



16.8179, 0.2796, 0.2085



16.8179, 0.4076, 0.4893



16.8179, 0.1667, 0.2027

Square

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



16.8179, 0.4076, 0.4893



16.8179, 0.1805, 0.3305



16.8179, 0.2071, 0.1921



16.8179, 0.4609, 0.3039

Rectangle

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



16.8179, 0.4076, 0.4893



16.8179, 0.2648, 0.4648



16.8179, 0.2071, 0.1921



16.8179, 0.3422, 0.2326

Sweetspot

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



16.8187, 0.4076, 0.4893



30.8194, 0.3460, 0.3848



4.7147, 0.5639, 0.3297



7.0617, 0.3501, 0.3917



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.



16.8187, 0.4076, 0.4893



29.4217, 0.4157, 0.5037



14.4355, 0.3457, 0.5317



4.2643, 0.3253, 0.3500



18.0829, 0.4174, 0.5068



88.0934, 0.4173, 0.5068

Inverse Universe

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



2.3387, 0.1736, 0.0980



2.6132, 0.1546, 0.0671



3.4885, 0.2331, 0.1276



3.5917, 0.2996, 0.3071



1.4241, 0.1506, 0.0603



6.9142, 0.1503, 0.0601

Previews

White Background



This preview shows how the Yxy color 16.8179, 0.4076, 0.4893 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 16.8179, 0.4076, 0.4893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

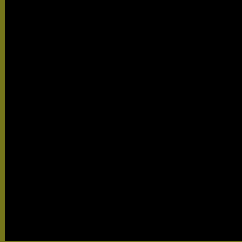
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8179, 0.4076, 0.4893

Background



This preview shows how black text looks on a background with the Yxy color 16.8179, 0.4076, 0.4893.



This preview shows how white text looks on a background with the Yxy color 16.8179, 0.4076, 0.4893.

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

16.8179, 0.4076, 0.4893

Protanopia

16.6984, 0.4290, 0.4743

Deuteranopia

16.6690, 0.4543, 0.4468



Tritanopia

16.8437, 0.3216, 0.3119

Trichromacy



Original Color

16.8179, 0.4076, 0.4893

Protanomaly

16.6211, 0.4220, 0.4795

Deuteranomaly

16.7504, 0.4377, 0.4623

Tritanomaly

16.6197, 0.3595, 0.3828

Monochromacy



Original Color

16.8179, 0.4076, 0.4893

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2984, 0.3550, 0.3988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8179, 0.4076, 0.4893 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(117, 118, 27)` looks like.

```
.text, #text, p{  
    color:rgb(117, 118, 27)  
}
```

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(117, 118, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 118, 27) }
```

Border

The CSS property to change the border of an element to Yxy 16.8179, 0.4076, 0.4893 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(117, 118, 27) }
```

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

```
.border{ border-color:rgb(117, 118, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 118, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 118, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 118, 27);  
box-shadow:4px 4px 4px 4px rgb(117, 118,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8179, 0.4076, 0.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 118, 27) }
```

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

```
.background{ background-color: rgb(117,  
118, 27) }
```

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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