

Converting Colors

$Y_{xy}(16.8522, 0.4076, 0.4791)$

Have a look what the booklet for
Yxy(16.8522, 0.4076, 0.4791)
contains.

Yxy(16.7600, 0.4072, 0.4787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(16.7600, 0.4072, 0.4787)$

Conversions

Conversions Part 1

Format	Color
Hex	777522
RGB	119, 117, 34
RGB Percent	47%, 46%, 13%
CMY	0.5334, 0.5412, 0.8668
CMYK	0.00, 0.02, 0.71, 0.53
HSL	59°, 56%, 30%
HSV	59°, 71%, 47%
XYZ	14.2567, 16.7600, 3.9948
YIQ	108.1360, 27.8350, -25.3890

Conversions

Conversions Part 2

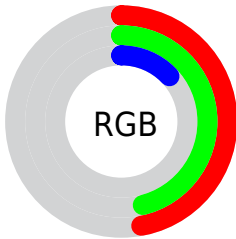
Format	Color
RYB	36, 119, 34
Decimal	7828770
CIELab	47.96, -10.01, 43.81
CIELCh	48, 44.941, 102.871
Yxy	16.7600, 0.4072, 0.4787
Android (android.graphics.Color)	4286018850 (0xFF777522)
YUV	108.1360, -36.5490, 9.5277
Hunter-Lab	40.9390, -9.4820, 22.8718

Details

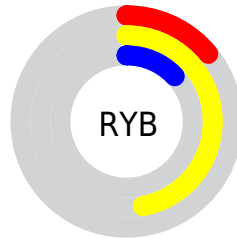
The Yxy color **16.7600, 0.4072, 0.4787** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.9307, 0.1824, 0.1157**, and the grayscale version is **15.1345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0147, 0.3900, 0.4460**, and **5.4852, 0.4171, 0.5070** is the 20% darker color. If you saturate the color by 10%, you get **16.6390, 0.4147, 0.4901**, and if you desaturate by 10%, it is **16.9066, 0.3974, 0.4636**.

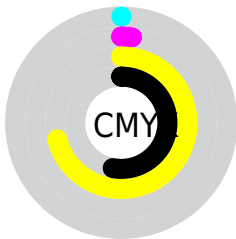
Distribution



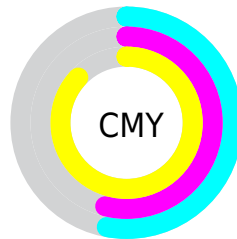
- Red (47%)
- Green (46%)
- Blue (13%)



- Red (14%)
- Yellow (47%)
- Blue (13%)



- Cyan (0%)
- Magenta (2%)
- Yellow (71%)
- Black (53%)




- Cyan (53%)
- Magenta (54%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7600, 0.4072, 0.4787 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 16.7600, 0.4072, 0.4787 by changing the saturation by 10% instead.


 16.7600, 0.4072,
0.4787


 16.7600, 0.4072,
0.4787

 233.7855, 0.3573,
0.3934


 10.0635, 0.4177,
0.5015


 37.9127, 0.3896,
0.4458


 5.4411, 0.4333,
0.5365

 53.1377, 0.3826,
0.4339


 2.5083, 0.4345,
0.5655

 71.9743, 0.3767,
0.4241

 0.8808, 0.4023,
0.5977

 94.8069, 0.3716,
0.4159

 0.0000, 0.0000,
0.0000

 122.0199, 0.3673,
0.4090

 153.9978, 0.3635,

0.4030

191.1249, 0.3602,
0.3979

16.7600, 0.4072,
0.4787

16.7600, 0.4072,
0.4787

16.6390, 0.4147,
0.4901

16.9066, 0.3974,
0.4636

16.5386, 0.4199,
0.4974

17.0786, 0.3856,
0.4452

16.4613, 0.4233,
0.5021

17.2787, 0.3724,
0.4244

17.5088, 0.3582,
0.4019

17.7704, 0.3436,
0.3785

■ 18.0651, 0.3290,
0.3551

■ 18.3943, 0.3147,
0.3322

■ 18.7593, 0.3011,
0.3103

■ 19.1613, 0.2884,
0.2896

Harmonies

Analogous

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



16.7600, 0.4672, 0.4270



16.7600, 0.4072, 0.4787



16.7600, 0.3269, 0.4893

Triad

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



16.7600, 0.4072, 0.4787



16.7600, 0.1656, 0.2552



16.7600, 0.3671, 0.2502

Complementary

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



16.7600, 0.4072, 0.4787



2.9307, 0.1824, 0.1157

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.



16.7600, 0.2780, 0.2133



16.7600, 0.4072, 0.4787



16.7600, 0.1730, 0.2109

Square

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



16.7600, 0.4072, 0.4787



16.7600, 0.1899, 0.3357



16.7600, 0.2104, 0.1989



16.7600, 0.4486, 0.3032

Rectangle

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



16.7600, 0.4072, 0.4787



16.7600, 0.2722, 0.4584



16.7600, 0.2104, 0.1989



16.7600, 0.3364, 0.2357

Sweetspot

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



16.7608, 0.4072, 0.4787



31.8221, 0.3437, 0.3787



5.1963, 0.5320, 0.3249



7.5159, 0.3469, 0.3839



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.



16.7608, 0.4072, 0.4787



29.6749, 0.4185, 0.4955



14.9830, 0.3496, 0.5169



4.2523, 0.3255, 0.3495



17.4896, 0.4233, 0.5021



85.0446, 0.4235, 0.5019

Inverse Universe

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



2.9307, 0.1824, 0.1157



3.2442, 0.1602, 0.0783



3.9163, 0.2353, 0.1376



3.6023, 0.2995, 0.3076



1.4771, 0.1507, 0.0624



7.0226, 0.1503, 0.0610

Previews

White Background



This preview shows how the Yxy color 16.7600, 0.4072, 0.4787 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 16.7600, 0.4072, 0.4787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

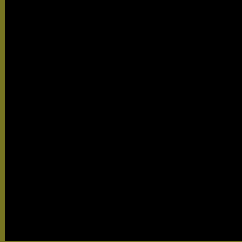
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7600, 0.4072, 0.4787

Background



This preview shows how black text looks on a background with the Yxy color 16.7600, 0.4072, 0.4787.



This preview shows how white text looks on a background with the Yxy color 16.7600, 0.4072, 0.4787.

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

16.7600, 0.4072, 0.4787

Protanopia

16.7336, 0.4245, 0.4675

Deuteranopia

16.6095, 0.4490, 0.4426



Tritanopia

16.6809, 0.3244, 0.3120

Trichromacy



Original Color

16.7600, 0.4072, 0.4787

Protanomaly

16.7312, 0.4189, 0.4716

Deuteranomaly

16.5646, 0.4346, 0.4547

Tritanomaly

16.4874, 0.3602, 0.3786

Monochromacy



Original Color

16.7600, 0.4072, 0.4787

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4077, 0.3526, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7600, 0.4072, 0.4787 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(119, 117, 34)` looks like.

```
.text, #text, p{  
    color:rgb(119, 117, 34)  
}
```

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(119, 117, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 117, 34) }
```

Border

The CSS property to change the border of an element to Yxy 16.7600, 0.4072, 0.4787 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(119, 117, 34) }
```

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

```
.border{ border-color:rgb(119, 117, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 117, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 117, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 117, 34);  
box-shadow:4px 4px 4px 4px rgb(119, 117,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7600, 0.4072, 0.4787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 117, 34) }
```

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

```
.background{ background-color: rgb(119,  
117, 34) }
```

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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