

Converting Colors

$Y_{xy}(17.2588, 0.3901, 0.4598)$

Have a look what the booklet for
Yxy(17.2588, 0.3901, 0.4598)
contains.

Yxy(17.2842, 0.3896, 0.4591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2842, 0.3896, 0.4591)

Conversions

Conversions Part 1

Format	Color
Hex	767733
RGB	118, 119, 51
RGB Percent	46%, 47%, 20%
CMY	0.5372, 0.5333, 0.8000
CMYK	0.01, 0.00, 0.57, 0.53
HSL	61°, 40%, 33%
HSV	61°, 57%, 47%
XYZ	14.6677, 17.2842, 5.6961
YIQ	110.9490, 21.2320, -21.3600

Conversions

Conversions Part 2

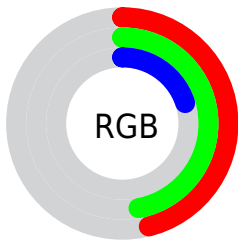
Format	Color
RYB	51, 119, 52
Decimal	7763763
CIELab	48.62, -10.33, 36.61
CIELCh	49, 38.036, 105.754
Yxy	17.2842, 0.3896, 0.4591
Android (android.graphics.Color)	4285953843 (0xFF767733)
YUV	110.9490, -29.5549, 6.1837
Hunter-Lab	41.5743, -9.7791, 20.9786

Details

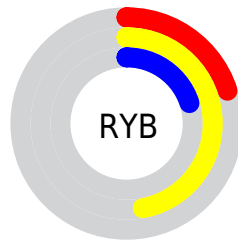
The Yxy color **17.2842, 0.3896, 0.4591** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.4303, 0.2091, 0.1562**, and the grayscale version is **15.9649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8166, 0.3745, 0.4291**, and **5.7020, 0.4097, 0.5108** is the 20% darker color. If you saturate the color by 10%, you get **17.1811, 0.3995, 0.4762**, and if you desaturate by 10%, it is **17.4158, 0.3779, 0.4391**.

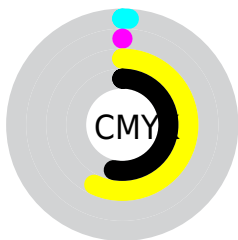
Distribution



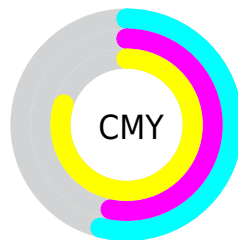
- Red (46%)
- Green (47%)
- Blue (20%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (57%)
- Black (53%)





- Cyan (54%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2842, 0.3896, 0.4591 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 17.2842, 0.3896, 0.4591 by changing the saturation by 10% instead.


 17.2842, 0.3896,
0.4591


 17.2842, 0.3896,
0.4591


 236.8049, 0.3480,
0.3837


 10.4373, 0.3995,
0.4809


 38.8138, 0.3743,
0.4292


 5.6899, 0.4105,
0.5097

 54.2653, 0.3685,
0.4187

 2.6574, 0.4339,
0.5661

 73.3537, 0.3637,
0.4102

 0.9556, 0.4065,
0.5935

 96.4636, 0.3596,
0.4031

 0.0000, 0.0000,
0.0000

 123.9793, 0.3561,
0.3971

 156.2851, 0.3530,

0.3920

193.7655, 0.3504,
0.3876

■ 17.2842, 0.3896,
0.4591

■ 17.2842, 0.3896,
0.4591

■ 17.1811, 0.3995,
0.4762

■ 17.4158, 0.3779,
0.4391

■ 17.1021, 0.4072,
0.4896

■ 17.5753, 0.3648,
0.4169

■ 17.0454, 0.4126,
0.4992

■ 17.7653, 0.3509,
0.3934

■ 17.0056, 0.4160,
0.5054

■ 17.9874, 0.3367,
0.3694

■ 16.9947, 0.4169,
0.5072

■ 18.2430, 0.3226,
0.3456

■ 18.5335, 0.3088,
0.3225

■ 18.8602, 0.2958,
0.3006

■ 19.2243, 0.2835,
0.2800

■ 19.6271, 0.2721,
0.2610

Harmonies

Analogous

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



17.2842, 0.4418, 0.4209



17.2842, 0.3896, 0.4591



17.2842, 0.3203, 0.4589

Triad

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



17.2842, 0.3896, 0.4591



17.2842, 0.1851, 0.2630



17.2842, 0.3664, 0.2655

Complementary

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



17.2842, 0.3896, 0.4591



4.4303, 0.2091, 0.1562

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.



17.2842, 0.2908, 0.2312



17.2842, 0.3896, 0.4591



17.2842, 0.1939, 0.2260

Square

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



17.2842, 0.3896, 0.4591



17.2842, 0.2046, 0.3286



17.2842, 0.2298, 0.2167



17.2842, 0.4316, 0.3135

Rectangle

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



17.2842, 0.3896, 0.4591



17.2842, 0.2737, 0.4292



17.2842, 0.2298, 0.2167



17.2842, 0.3408, 0.2522

Sweetspot

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



17.2850, 0.3896, 0.4591



32.1993, 0.3371, 0.3701



6.5295, 0.4738, 0.3295



7.6154, 0.3393, 0.3738



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.



17.2850, 0.3896, 0.4591



30.7120, 0.4026, 0.4815



15.3636, 0.3438, 0.4827



4.2637, 0.3252, 0.3500



18.0564, 0.4169, 0.5072



87.9569, 0.4168, 0.5073

Inverse Universe

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



4.4303, 0.2091, 0.1562



5.1892, 0.1838, 0.1145



5.6320, 0.2582, 0.1760



3.5921, 0.2997, 0.3071



1.4264, 0.1507, 0.0604



6.9191, 0.1503, 0.0602

Previews

White Background



This preview shows how the Yxy color 17.2842, 0.3896, 0.4591 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 17.2842, 0.3896, 0.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

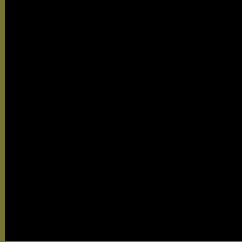
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2842, 0.3896, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 17.2842, 0.3896, 0.4591.



This preview shows how white text looks on a background with the Yxy color 17.2842, 0.3896, 0.4591.

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

17.2842, 0.3896, 0.4591

Protanopia

17.3103, 0.4077, 0.4489

Deuteranopia

17.2578, 0.4314, 0.4238



Tritanopia

17.3288, 0.3188, 0.3120

Trichromacy



Original Color

17.2842, 0.3896, 0.4591

Protanomaly

17.2380, 0.4010, 0.4533

Deuteranomaly

17.1356, 0.4165, 0.4357

Tritanomaly

17.2436, 0.3458, 0.3665

Monochromacy



Original Color

17.2842, 0.3896, 0.4591

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.3333, 0.3439, 0.3806

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2842, 0.3896, 0.4591 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(118, 119, 51)` looks like.

```
.text, #text, p{  
    color:rgb(118, 119, 51)  
}
```

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(118, 119, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 119, 51) }
```

Border

The CSS property to change the border of an element to Yxy 17.2842, 0.3896, 0.4591 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(118, 119, 51) }
```

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

```
.border{ border-color:rgb(118, 119, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 119, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 119, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 119, 51);  
box-shadow:4px 4px 4px 4px rgb(118, 119,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2842, 0.3896, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 119, 51) }
```

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

```
.background{ background-color: rgb(118,  
119, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor