

Converting Colors

$Y_{xy}(17.5993, 0.3858, 0.4651)$

Have a look what the booklet for
Yxy(17.5993, 0.3858, 0.4651)
contains.

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Color

Yxy(17.6180, 0.3858, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	747932
RGB	116, 121, 50
RGB Percent	45%, 47%, 20%
CMY	0.5452, 0.5255, 0.8039
CMYK	0.04, 0.00, 0.59, 0.53
HSL	64°, 42%, 34%
HSV	64°, 59%, 47%
XYZ	14.6141, 17.6180, 5.6479
YIQ	111.4110, 19.8110, -23.1410

Conversions

Conversions Part 2

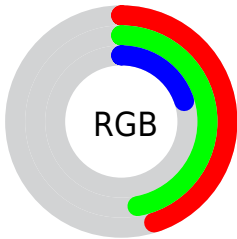
Format	Color
RYB	50, 121, 55
Decimal	7633202
CIELab	49.03, -12.44, 37.53
CIELCh	49, 39.538, 108.332
Yxy	17.6180, 0.3858, 0.4651
Android (android.graphics.Color)	4285823282 (0xFF747932)
YUV	111.4110, -30.2756, 4.0246
Hunter-Lab	41.9738, -11.3054, 21.4037

Details

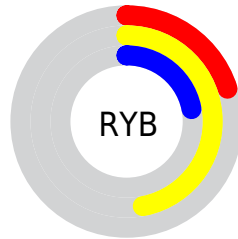
The Yxy color **17.6180, 0.3858, 0.4651** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4.4749, 0.2107, 0.1529**, and the grayscale version is **16.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3340, 0.3723, 0.4336**, and **5.8889, 0.4021, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **17.4694, 0.3944, 0.4827**, and if you desaturate by 10%, it is **17.7963, 0.3753, 0.4445**.

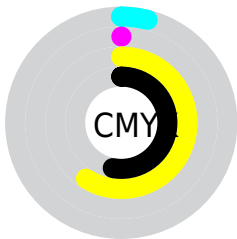
Distribution



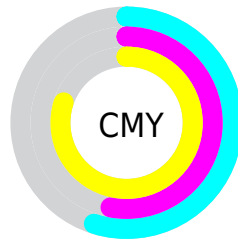
- Red (45%)
- Green (47%)
- Blue (20%)



- Red (20%)
- Yellow (47%)
- Blue (22%)



- Cyan (4%)
- Magenta (0%)
- Yellow (59%)
- Black (53%)





- Cyan (55%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6180, 0.3858, 0.4651 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 17.6180, 0.3858, 0.4651 by changing the saturation by 10% instead.


 17.6180, 0.3858,
0.4651


 17.6180, 0.3858,
0.4651


238.7090, 0.3469,
0.3861


 10.6761, 0.3946,
0.4880


 39.3853, 0.3717,
0.4338


 5.8495, 0.4040,
0.5184

 54.9795, 0.3663,
0.4228


 2.7538, 0.4234,
0.5766

 74.2266, 0.3618,
0.4138

 1.0046, 0.3916,
0.6084

 97.5109, 0.3579,
0.4063

 0.0000, 0.0000,
0.0000

 125.2170, 0.3545,
0.4001

 157.7291, 0.3516,

0.3947

195.4316, 0.3491,
0.3901

■ 17.6180, 0.3858,
0.4651

■ 17.6180, 0.3858,
0.4651

■ 17.4694, 0.3944,
0.4827

■ 17.7963, 0.3753,
0.4445

■ 17.3460, 0.4009,
0.4967

■ 18.0040, 0.3634,
0.4218

■ 17.2459, 0.4049,
0.5067

■ 18.2437, 0.3505,
0.3978

■ 17.1617, 0.4072,
0.5138

■ 18.5169, 0.3373,
0.3734

■ 17.1508, 0.4075,
0.5147

■ 18.8253, 0.3240,
0.3493

■ 19.1703, 0.3110,
0.3260

■ 19.5533, 0.2986,
0.3039

■ 19.9756, 0.2869,
0.2832

■ 20.4384, 0.2760,
0.2642

Harmonies

Analogous

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



17.6180, 0.4420, 0.4274



17.6180, 0.3858, 0.4651



17.6180, 0.3138, 0.4610

Triad

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



17.6180, 0.3858, 0.4651



17.6180, 0.1812, 0.2562



17.6180, 0.3747, 0.2674

Complementary

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



17.6180, 0.3858, 0.4651



4.4749, 0.2107, 0.1529

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.



17.6180, 0.2963, 0.2308



17.6180, 0.3858, 0.4651



17.6180, 0.1927, 0.2211

Square

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



17.6180, 0.3858, 0.4651



17.6180, 0.1985, 0.3215



17.6180, 0.2317, 0.2141



17.6180, 0.4398, 0.3174

Rectangle

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



17.6180, 0.3858, 0.4651



17.6180, 0.2665, 0.4273



17.6180, 0.2317, 0.2141



17.6180, 0.3484, 0.2533

Sweetspot

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



17.6188, 0.3858, 0.4651



33.1666, 0.3370, 0.3728



7.0031, 0.4749, 0.3388



7.5554, 0.3402, 0.3787



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.



17.6188, 0.3858, 0.4651



31.2065, 0.3967, 0.4874



15.6460, 0.3381, 0.4904



4.6202, 0.3245, 0.3502



18.3753, 0.4074, 0.5147



87.4973, 0.4068, 0.5152

Inverse Universe

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



4.4749, 0.2107, 0.1529



5.3591, 0.1868, 0.1137



5.8476, 0.2642, 0.1749



3.9058, 0.3004, 0.3070



1.5364, 0.1534, 0.0619



7.1840, 0.1516, 0.0609

Previews

White Background



This preview shows how the Yxy color 17.6180, 0.3858, 0.4651 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 17.6180, 0.3858, 0.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

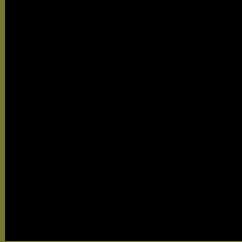
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.6180, 0.3858, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 17.6180, 0.3858, 0.4651.



This preview shows how white text looks on a background with the Yxy color 17.6180, 0.3858, 0.4651.

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

17.6180, 0.3858, 0.4651

Protanopia

17.6902, 0.4104, 0.4503

Deuteranopia

17.5552, 0.4327, 0.4261



Tritanopia

17.6507, 0.3147, 0.3139

Trichromacy



Original Color

17.6180, 0.3858, 0.4651

Protanomaly

17.5386, 0.4023, 0.4555

Deuteranomaly

17.5777, 0.4153, 0.4402

Tritanomaly

17.5602, 0.3423, 0.3706

Monochromacy



Original Color

17.6180, 0.3858, 0.4651

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4934, 0.3421, 0.3827

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6180, 0.3858, 0.4651 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(116, 121, 50)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 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(116, 121, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 50) }
```

Border

The CSS property to change the border of an element to Yxy 17.6180, 0.3858, 0.4651 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(116, 121, 50) }
```

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

```
.border{ border-color:rgb(116, 121, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 50);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6180, 0.3858, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 50) }
```

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

```
.background{ background-color: rgb(116,  
121, 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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