

Converting Colors

$Y_{xy}(18.8077, 0.4408, 0.4882)$

Have a look what the booklet for
Yxy(18.8077, 0.4408, 0.4882)
contains.

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Color

Yxy(18.6672, 0.4410, 0.4880)

Conversions

Conversions Part 1

Format	Color
Hex	887800
RGB	136, 120, 0
RGB Percent	53%, 47%, 0%
CMY	0.4667, 0.5294, 0.9997
CMYK	0.00, 0.12, 1.00, 0.47
HSL	53°, 100%, 27%
HSV	53°, 100%, 53%
XYZ	16.8693, 18.6672, 2.7159
YIQ	111.1040, 48.0560, -33.9280

Conversions

Conversions Part 2

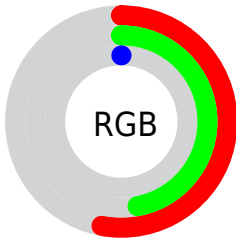
Format	Color
RYB	18, 136, 0
Decimal	8943616
CIELab	50.30, -4.77, 55.87
CIELCh	50, 56.069, 94.878
Yxy	18.6672, 0.4410, 0.4880
Android (android.graphics.Color)	4287133696 (0xFF887800)
YUV	111.1040, -54.7743, 21.8338
Hunter-Lab	43.2056, -5.9155, 26.5169

Details

The Yxy color **18.6672, 0.4410, 0.4880** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.1503, 0.1531, 0.0711**, and the grayscale version is **16.0826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2242, 0.4194, 0.4586**, and **6.4286, 0.4405, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **18.6658, 0.4410, 0.4880**, and if you desaturate by 10%, it is **19.0868, 0.4349, 0.4843**.

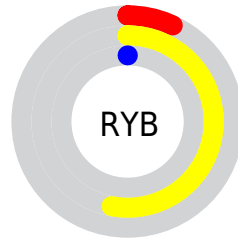
Distribution



Red (53%)

Green (47%)

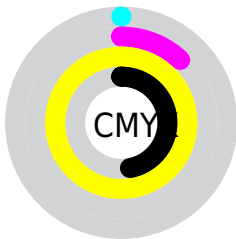
Blue (0%)



Red (7%)

Yellow (53%)

Blue (0%)

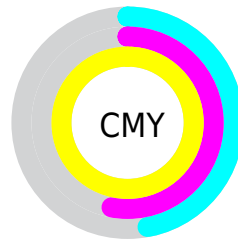


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6672, 0.4410, 0.4880 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 18.6672, 0.4410, 0.4880 by changing the saturation by 10% instead.

18.6672, 0.4410,
0.4880

18.6672, 0.4410,
0.4880

244.6053, 0.3763,
0.4044

11.4301, 0.4526,
0.5054

41.1710, 0.4195,
0.4588

6.3569, 0.4692,
0.5308

57.2064, 0.4106,
0.4472

3.0633, 0.4642,
0.5358

76.9434, 0.4028,
0.4373

1.1649, 0.4552,
0.5448

100.7663, 0.3960,
0.4288

0.0327, 0.0000,
1.0000

129.0596, 0.3901,
0.4214

0.0000, 0.0000,
0.0000


162.2076, 0.3849,

0.4150

 200.5947, 0.3803,
0.4094


 18.6672, 0.4410,
0.4880


 18.6672, 0.4410,
0.4880


 18.6658, 0.4410,
0.4880

 19.0868, 0.4349,
0.4843

 19.5308, 0.4270,
0.4776

 20.0106, 0.4165,
0.4667

 20.5297, 0.4039,
0.4520

 21.0912, 0.3895,
0.4343

■ 21.6978, 0.3742,
0.4144

■ 22.3519, 0.3583,
0.3931

■ 23.0560, 0.3425,
0.3714

■ 23.8120, 0.3272,
0.3498

Harmonies

Analogous

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



18.6672, 0.5045, 0.4175



18.6672, 0.4410, 0.4880



18.6672, 0.3505, 0.5270

Triad

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



18.6672, 0.4410, 0.4880



18.6672, 0.1459, 0.2599



18.6672, 0.3471, 0.2236

Complementary

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



18.6672, 0.4410, 0.4880



2.1503, 0.1531, 0.0711

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.



18.6672, 0.2462, 0.1883



18.6672, 0.4410, 0.4880



18.6672, 0.1461, 0.1995

Square

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



18.6672, 0.4410, 0.4880



18.6672, 0.1816, 0.3669



18.6672, 0.1786, 0.1788



18.6672, 0.4534, 0.2792

Rectangle

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



18.6672, 0.4410, 0.4880



18.6672, 0.2862, 0.5089



18.6672, 0.1786, 0.1788



18.6672, 0.3107, 0.2092

Sweetspot

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



18.6681, 0.4410, 0.4880



39.3110, 0.3595, 0.3947



5.2796, 0.6182, 0.3180



9.0042, 0.3653, 0.4025



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.6681, 0.4410, 0.4880



32.7516, 0.4415, 0.4876



19.5924, 0.3579, 0.5540



5.7462, 0.3260, 0.3481



17.6773, 0.4410, 0.4881



0.1306, 0.4292, 0.4974

Inverse Universe

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



2.1503, 0.1531, 0.0711



3.6578, 0.1525, 0.0689



2.4548, 0.1817, 0.0775



4.9809, 0.2991, 0.3091



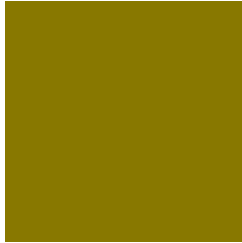
2.0412, 0.1531, 0.0713



0.0242, 0.1657, 0.1164

Previews

White Background



This preview shows how the Yxy color 18.6672, 0.4410, 0.4880 looks on a white background.

Color Contrast Check

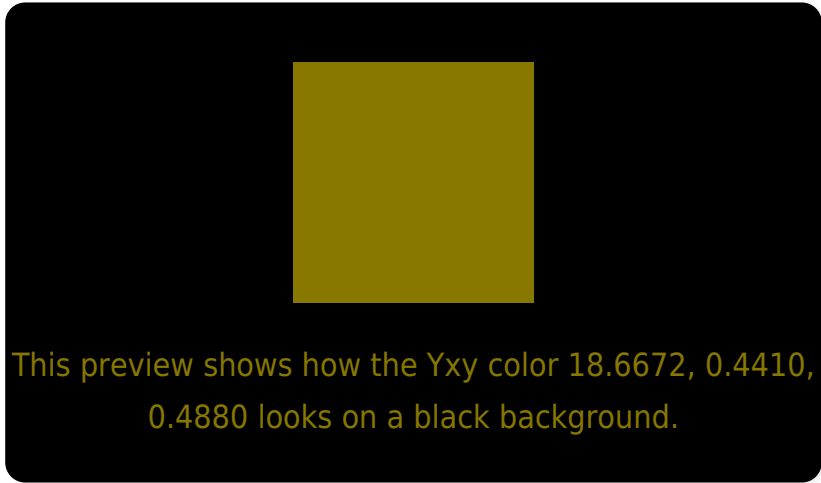
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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 18.6672, 0.4410, 0.4880

Background



This preview shows how black text looks on a background with the Yxy color 18.6672, 0.4410, 0.4880.



This preview shows how white text looks on a background with the Yxy color 18.6672, 0.4410, 0.4880.

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

18.6672, 0.4410, 0.4880

Protanopia

18.5882, 0.4392, 0.4882

Deuteranopia

18.6484, 0.4650, 0.4596



Tritanopia

18.7840, 0.3441, 0.3151

Trichromacy



Original Color

18.6672, 0.4410, 0.4880

Protanomaly

18.5860, 0.4394, 0.4887

Deuteranomaly

18.6237, 0.4573, 0.4691

Tritanomaly

18.3587, 0.3965, 0.3989

Monochromacy



Original Color

18.6672, 0.4410, 0.4880

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4826, 0.3749, 0.4148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6672, 0.4410, 0.4880 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(136, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 120, 0)  
}
```

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(136, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.6672, 0.4410, 0.4880 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(136, 120, 0) }
```

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

```
.border{ border-color:rgb(136, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(136, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6672, 0.4410, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 120, 0) }
```

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

```
.background{ background-color: rgb(136,  
120, 0) }
```

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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