

Converting Colors

$Y_{xy}(18.6458, 0.4672, 0.5220)$

Have a look what the booklet for
Yxy(18.6458, 0.4672, 0.5220)
contains.

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Color

$Y_{xy}(18.8362, 0.4437, 0.4859)$

Conversions

Conversions Part 1

Format	Color
Hex	8A7800
RGB	138, 120, 0
RGB Percent	54%, 47%, 0%
CMY	0.4587, 0.5294, 1.0000
CMYK	0.00, 0.13, 1.00, 0.46
HSL	52°, 100%, 27%
HSV	52°, 100%, 54%
XYZ	17.2003, 18.8362, 2.7291
YIQ	111.7020, 49.2480, -33.5040

Conversions

Conversions Part 2

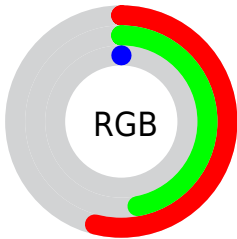
Format	Color
R _Y B	21, 138, 0
Decimal	9074688
CIE Lab	50.50, -3.80, 56.12
CIE LCh	50, 56.245, 93.875
Yxy	18.8362, 0.4437, 0.4859
Android (android.graphics.Color)	4287264768 (0xFF8A7800)
YUV	111.7020, -55.0691, 23.0633
Hunter-Lab	43.4007, -5.2092, 26.6522

Details

The Yxy color **18.8362, 0.4437, 0.4859** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2691, 0.1535, 0.0725**, and the grayscale version is **16.2661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4888, 0.4213, 0.4574**, and **6.5195, 0.4446, 0.4852** is the 20% darker color. If you saturate the color by 10%, you get **18.8370, 0.4437, 0.4859**, and if you desaturate by 10%, it is **19.3059, 0.4373, 0.4825**.

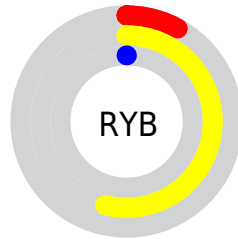
Distribution



Red (54%)

Green (47%)

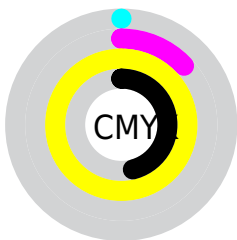
Blue (0%)



Red (8%)

Yellow (54%)

Blue (0%)

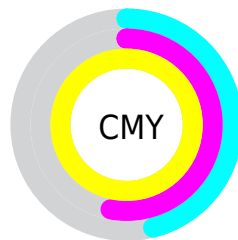


Cyan (0%)

Magenta (13%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8362, 0.4437, 0.4859 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 18.8362, 0.4437, 0.4859 by changing the saturation by 10% instead.


 18.8362, 0.4437,
0.4859


 18.8362, 0.4437,
0.4859


245.5430, 0.3775,
0.4040


 11.5520, 0.4557,
0.5026


 41.4571, 0.4217,
0.4575

 6.4394, 0.4730,
0.5270


 57.5626, 0.4125,
0.4461


 3.1141, 0.4690,
0.5310

 77.3774, 0.4045,
0.4364

 1.1916, 0.4620,
0.5380

 101.2857, 0.3976,
0.4280


 0.0548, 0.0000,
1.0000

 129.6720, 0.3916,
0.4207

 0.0000, 0.0000,
0.0000


 162.9208, 0.3863,


0.4144


 201.4163, 0.3816,
0.4089

 18.8362, 0.4437,
0.4859


 18.8362, 0.4437,
0.4859


 18.8370, 0.4437,
0.4859

 19.3059, 0.4373,
0.4825

 19.8026, 0.4290,
0.4760

 20.3377, 0.4181,
0.4653

 20.9150, 0.4051,
0.4508

 21.5377, 0.3904,
0.4332

■ 22.2087, 0.3748,
0.4135

■ 22.9305, 0.3587,
0.3925

■ 23.7055, 0.3428,
0.3710

■ 24.5359, 0.3273,
0.3496

Harmonies

Analogous

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



18.8362, 0.5058, 0.4150



18.8362, 0.4437, 0.4859



18.8362, 0.3537, 0.5268

Triad

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



18.8362, 0.4437, 0.4859



18.8362, 0.1465, 0.2627



18.8362, 0.3433, 0.2220

Complementary

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



18.8362, 0.4437, 0.4859



2.2691, 0.1535, 0.0725

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.



18.8362, 0.2434, 0.1875



18.8362, 0.4437, 0.4859



18.8362, 0.1456, 0.2008

Square

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



18.8362, 0.4437, 0.4859



18.8362, 0.1834, 0.3710



18.8362, 0.1770, 0.1790



18.8362, 0.4503, 0.2771

Rectangle

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



18.8362, 0.4437, 0.4859



18.8362, 0.2893, 0.5109



18.8362, 0.1770, 0.1790



18.8362, 0.3072, 0.2079

Sweetspot

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



18.8371, 0.4437, 0.4859



40.3212, 0.3598, 0.3938



5.4501, 0.6186, 0.3182



8.9383, 0.3656, 0.4016



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.



18.8371, 0.4437, 0.4859



33.0297, 0.4443, 0.4854



20.2292, 0.3578, 0.5541



5.7354, 0.3261, 0.3479



17.2801, 0.4436, 0.4860



0.1292, 0.4304, 0.4965

Inverse Universe

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



2.2691, 0.1535, 0.0725



3.8597, 0.1529, 0.0702



2.5294, 0.1815, 0.0774



4.9908, 0.2991, 0.3094



2.0932, 0.1536, 0.0729



0.0256, 0.1672, 0.1219

Previews

White Background



This preview shows how the Yxy color 18.8362, 0.4437, 0.4859 looks on a white background.

Color Contrast Check

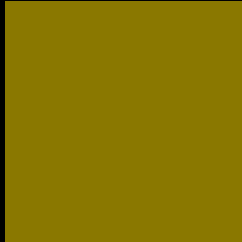
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Xy color 18.8362, 0.4437, 0.4859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

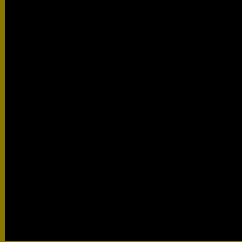
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8362, 0.4437, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 18.8362, 0.4437, 0.4859.



This preview shows how white text looks on a background with the Yxy color 18.8362, 0.4437, 0.4859.

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

18.8362, 0.4437, 0.4859

Protanopia

18.9156, 0.4387, 0.4880

Deuteranopia

18.7417, 0.4666, 0.4592



Tritanopia

18.9641, 0.3468, 0.3153

Trichromacy



Original Color

18.8362, 0.4437, 0.4859

Protanomaly

18.9975, 0.4403, 0.4873

Deuteranomaly

18.7135, 0.4588, 0.4685

Tritanomaly

18.5341, 0.3993, 0.3981

Monochromacy



Original Color

18.8362, 0.4437, 0.4859

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7813, 0.3757, 0.4160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8362, 0.4437, 0.4859 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(138, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 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(138, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.8362, 0.4437, 0.4859 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(138, 120, 0) }
```

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

```
.border{ border-color:rgb(138, 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(138, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8362, 0.4437, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 120, 0) }
```

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

```
.background{ background-color: rgb(138,  
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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