

Converting Colors

$Y_{xy}(18.6367, 0.4468, 0.4782)$

Have a look what the booklet for
Yxy(18.6367, 0.4468, 0.4782)
contains.

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Color

Yxy(18.5498, 0.4470, 0.4783)

Conversions

Conversions Part 1

Format	Color
Hex	8C7608
RGB	140, 118, 8
RGB Percent	55%, 46%, 3%
CMY	0.4510, 0.5372, 0.9685
CMYK	0.00, 0.16, 0.94, 0.45
HSL	50°, 89%, 29%
HSV	50°, 94%, 55%
XYZ	17.3359, 18.5498, 2.8971
YIQ	112.0380, 48.4220, -29.5460

Conversions

Conversions Part 2

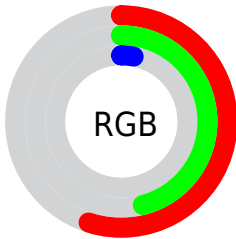
Format	Color
R_{YB}	34, 140, 8
Decimal	9205256
CIE Lab	50.16, -1.60, 54.35
CIE LCh	50, 54.378, 91.686
Yxy	18.5498, 0.4470, 0.4783
Android (android.graphics.Color)	4287395336 (0xFF8C7608)
YUV	112.0380, -51.2907, 24.5227
Hunter-Lab	43.0695, -3.5235, 26.1605

Details

The Yxy color **18.5498, 0.4470, 0.4783** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.8737, 0.1593, 0.0864**, and the grayscale version is **16.3589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0371, 0.4232, 0.4517**, and **6.3588, 0.4534, 0.4782** is the 20% darker color. If you saturate the color by 10%, you get **18.2204, 0.4513, 0.4799**, and if you desaturate by 10%, it is **19.1471, 0.4387, 0.4741**.

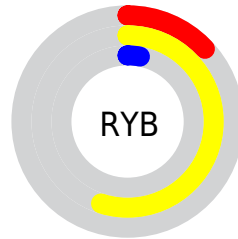
Distribution



Red (55%)

Green (46%)

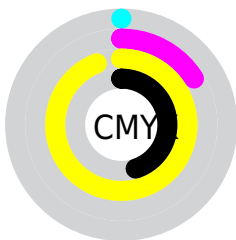
Blue (3%)



Red (13%)

Yellow (55%)

Blue (3%)

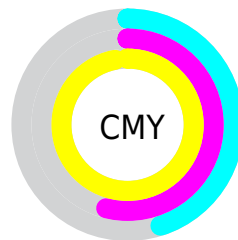


Cyan (0%)

Magenta (16%)

Yellow (94%)

Black (45%)



Cyan (45%)


Magenta (54%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5498, 0.4470, 0.4783 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 18.5498, 0.4470, 0.4783 by changing the saturation by 10% instead.


 18.5498, 0.4470,
0.4783


 18.5498, 0.4470,
0.4783


243.9520, 0.3779,
0.4004


 11.3454, 0.4604,
0.4942


 40.9720, 0.4234,
0.4513


 6.2997, 0.4813,
0.5187


 56.9586, 0.4139,
0.4405


 3.0281, 0.4796,
0.5204

 76.6413, 0.4056,
0.4312

 1.1464, 0.4766,
0.5234

 100.4047, 0.3985,
0.4233


 0.0173, 0.0000,
1.0000


 128.6331, 0.3923,
0.4164


 0.0000, 0.0000,
0.0000


 161.7108, 0.3869,


0.4104


 200.0223, 0.3821,
0.4051

 18.5498, 0.4470,
0.4783


 18.5498, 0.4470,
0.4783


 18.2204, 0.4513,
0.4799

 19.1471, 0.4387,
0.4741

 19.7863, 0.4277,
0.4656

 20.4727, 0.4144,
0.4531

 21.2099, 0.3993,
0.4372

 22.0011, 0.3832,
0.4189

■ 22.8491, 0.3666,
0.3989

■ 23.7565, 0.3500,
0.3782

■ 24.7256, 0.3340,
0.3575

■ 25.7588, 0.3189,
0.3374

Harmonies

Analogous

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



18.5498, 0.5040, 0.4090



18.5498, 0.4470, 0.4783



18.5498, 0.3605, 0.5205

Triad

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



18.5498, 0.4470, 0.4783



18.5498, 0.1515, 0.2712



18.5498, 0.3349, 0.2212

Complementary

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



18.5498, 0.4470, 0.4783



2.8737, 0.1593, 0.0864

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.



18.5498, 0.2393, 0.1890



18.5498, 0.4470, 0.4783



18.5498, 0.1480, 0.2070

Square

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



18.5498, 0.4470, 0.4783



18.5498, 0.1910, 0.3789



18.5498, 0.1767, 0.1828



18.5498, 0.4398, 0.2741

Rectangle

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



18.5498, 0.4470, 0.4783



18.5498, 0.2974, 0.5089



18.5498, 0.1767, 0.1828



18.5498, 0.3001, 0.2078

Sweetspot

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



18.5507, 0.4470, 0.4783



41.1877, 0.3571, 0.3872



5.8424, 0.5939, 0.3116



9.3496, 0.3635, 0.3952



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.5507, 0.4470, 0.4783



31.9295, 0.4521, 0.4793



21.2566, 0.3645, 0.5439



5.7056, 0.3262, 0.3471



16.2174, 0.4511, 0.4800



0.1252, 0.4338, 0.4938

Inverse Universe

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



2.8737, 0.1593, 0.0864



4.2746, 0.1541, 0.0747



2.7977, 0.1832, 0.0822



5.0182, 0.2991, 0.3102



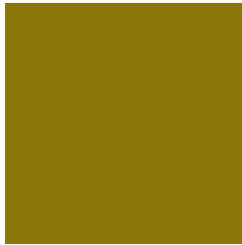
2.2595, 0.1550, 0.0779



0.0296, 0.1713, 0.1365

Previews

White Background



This preview shows how the Yxy color 18.5498, 0.4470, 0.4783 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 Yxy color 18.5498, 0.4470, 0.4783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

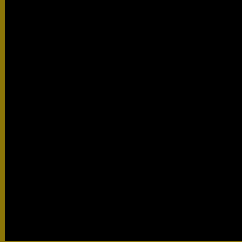
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5498, 0.4470, 0.4783

Background



This preview shows how black text looks on a background with the Yxy color 18.5498, 0.4470, 0.4783.

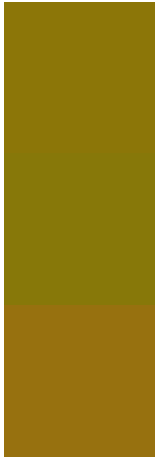


This preview shows how white text looks on a background with the Yxy color 18.5498, 0.4470, 0.4783.

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

18.5498, 0.4470, 0.4783

Protanopia

18.6036, 0.4372, 0.4854

Deuteranopia

18.4241, 0.4665, 0.4583



Tritanopia

18.5709, 0.3514, 0.3153

Trichromacy



Original Color

18.5498, 0.4470, 0.4783

Protanomaly

18.5317, 0.4413, 0.4821

Deuteranomaly

18.4911, 0.4595, 0.4660

Tritanomaly

18.2896, 0.4012, 0.3906

Monochromacy



Original Color

18.5498, 0.4470, 0.4783

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.6666, 0.3742, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5498, 0.4470, 0.4783 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(140, 118, 8)` looks like.

```
.text, #text, p{  
    color:rgb(140, 118, 8)  
}
```

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(140, 118, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 118, 8) }
```

Border

The CSS property to change the border of an element to Yxy 18.5498, 0.4470, 0.4783 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(140, 118, 8) }
```

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

```
.border{ border-color:rgb(140, 118, 8) }
```

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

Here you see how a box with a 4 pixel rgb(140, 118, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 118, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 118, 8);  
box-shadow:4px 4px 4px 4px rgb(140, 118,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5498, 0.4470, 0.4783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 118, 8) }
```

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

```
.background{ background-color: rgb(140,  
118, 8) }
```

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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