

Converting Colors

$Y_{xy}(18.3185, 0.4705, 0.5148)$

Have a look what the booklet for
Yxy(18.3185, 0.4705, 0.5148)
contains.

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Color

Yxy(18.4458, 0.4480, 0.4825)

Conversions

Conversions Part 1

Format	Color
Hex	8B7600
RGB	139, 118, 0
RGB Percent	55%, 46%, 0%
CMY	0.4549, 0.5373, 1.0000
CMYK	0.00, 0.15, 1.00, 0.45
HSL	51°, 100%, 27%
HSV	51°, 100%, 55%
XYZ	17.1269, 18.4458, 2.6570
YIQ	110.8270, 50.3940, -32.2460

Conversions

Conversions Part 2

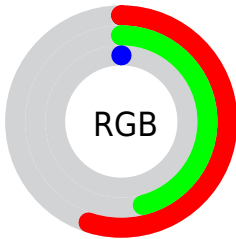
Format	Color
R _Y B	25, 139, 0
Decimal	9139712
CIE Lab	50.03, -2.21, 55.84
CIE LCh	50, 55.882, 92.267
Yxy	18.4458, 0.4480, 0.4825
Android (android.graphics.Color)	4287329792 (0xFF8B7600)
YUV	110.8270, -54.6377, 24.7077
Hunter-Lab	42.9486, -3.9784, 26.3961

Details

The Yxy color **18.4458, 0.4480, 0.4825** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.4009, 0.1542, 0.0751**, and the grayscale version is **15.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8554, 0.4246, 0.4557**, and **6.3116, 0.4513, 0.4798** is the 20% darker color. If you saturate the color by 10%, you get **18.4467, 0.4480, 0.4825**, and if you desaturate by 10%, it is **18.9785, 0.4409, 0.4794**.

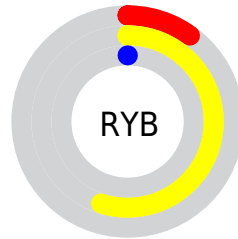
Distribution



Red (55%)

Green (46%)

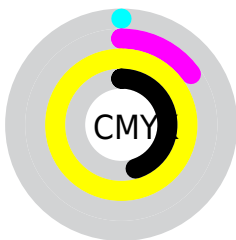
Blue (0%)



Red (10%)

Yellow (55%)

Blue (0%)

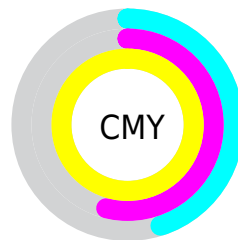


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4458, 0.4480, 0.4825 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 18.4458, 0.4480, 0.4825 by changing the saturation by 10% instead.


 18.4458, 0.4480,
0.4825

 18.4458, 0.4480,
0.4825


243.3719, 0.3790,
0.4027

 11.2705, 0.4608,
0.4984


 40.7955, 0.4248,
0.4550


 6.2491, 0.4789,
0.5211


 56.7387, 0.4153,
0.4440

 2.9971, 0.4766,
0.5234

 76.3734, 0.4070,
0.4345

 1.1302, 0.4724,
0.5276

 100.0838, 0.3998,
0.4263

 0.0036, 0.0000,
1.0000


 128.2545, 0.3936,
0.4192


 0.0000, 0.0000,
0.0000


 161.2699, 0.3881,

0.4130


 199.5142, 0.3833,
0.4076


 18.4458, 0.4480,
0.4825


 18.4458, 0.4480,
0.4825

 18.4467, 0.4480,
0.4825

 18.9785, 0.4409,
0.4794

 19.5414, 0.4320,
0.4732

 20.1461, 0.4205,
0.4627

 20.7966, 0.4068,
0.4485

 21.4960, 0.3916,
0.4312

■ 22.2473, 0.3755,
0.4118

■ 23.0532, 0.3592,
0.3911

■ 23.9161, 0.3430,
0.3700

■ 24.8382, 0.3274,
0.3492

Harmonies

Analogous

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



18.4458, 0.5079, 0.4111



18.4458, 0.4480, 0.4825



18.4458, 0.3589, 0.5264

Triad

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



18.4458, 0.4480, 0.4825



18.4458, 0.1474, 0.2674



18.4458, 0.3374, 0.2195

Complementary

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



18.4458, 0.4480, 0.4825



2.4009, 0.1542, 0.0751

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.



18.4458, 0.2388, 0.1863



18.4458, 0.4480, 0.4825



18.4458, 0.1447, 0.2030

Square

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



18.4458, 0.4480, 0.4825



18.4458, 0.1865, 0.3778



18.4458, 0.1744, 0.1793



18.4458, 0.4453, 0.2737

Rectangle

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



18.4458, 0.4480, 0.4825



18.4458, 0.2944, 0.5139



18.4458, 0.1744, 0.1793



18.4458, 0.3016, 0.2058

Sweetspot

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



18.4467, 0.4480, 0.4825



41.1816, 0.3602, 0.3925



5.5522, 0.6112, 0.3141



9.3632, 0.3663, 0.4003



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.



18.4467, 0.4480, 0.4825



32.8384, 0.4487, 0.4819



20.7778, 0.3630, 0.5500



5.7184, 0.3261, 0.3474



16.6665, 0.4478, 0.4826



0.1269, 0.4323, 0.4949

Inverse Universe

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



2.4009, 0.1542, 0.0751



4.1388, 0.1535, 0.0727



2.4530, 0.1766, 0.0747



5.0064, 0.2991, 0.3099



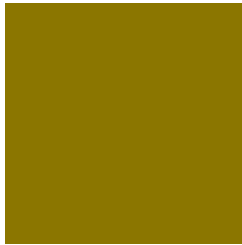
2.1841, 0.1544, 0.0756



0.0279, 0.1695, 0.1303

Previews

White Background



This preview shows how the Yxy color 18.4458, 0.4480, 0.4825 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 18.4458, 0.4480, 0.4825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

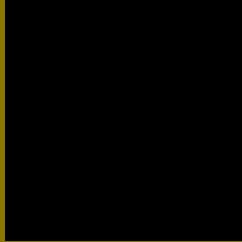
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4458, 0.4480, 0.4825

Background



This preview shows how black text looks on a background with the Yxy color 18.4458, 0.4480, 0.4825.

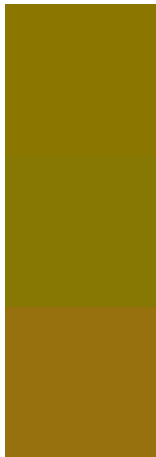


This preview shows how white text looks on a background with the Yxy color 18.4458, 0.4480, 0.4825.

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

18.4458, 0.4480, 0.4825

Protanopia

18.5926, 0.4386, 0.4874

Deuteranopia

18.4186, 0.4673, 0.4592



Tritanopia

18.5709, 0.3514, 0.3153

Trichromacy



Original Color

18.4458, 0.4480, 0.4825

Protanomaly

18.4345, 0.4417, 0.4856

Deuteranomaly

18.4820, 0.4606, 0.4676

Tritanomaly

18.1579, 0.4036, 0.3961

Monochromacy



Original Color

18.4458, 0.4480, 0.4825

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5545, 0.3764, 0.4143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4458, 0.4480, 0.4825 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(139, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 118, 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(139, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.4458, 0.4480, 0.4825 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(139, 118, 0) }
```

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

```
.border{ border-color:rgb(139, 118, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 118, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4458, 0.4480, 0.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 118, 0) }
```

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

```
.background{ background-color: rgb(139,  
118, 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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