

Converting Colors

$Y_{xy}(15.5660, 0.4761, 0.5239)$

Have a look what the booklet for
Yxy(15.5660, 0.4761, 0.5239)
contains.

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Color

Yxy(15.8190, 0.4470, 0.4833)

Conversions

Conversions Part 1

Format	Color
Hex	816E00
RGB	129, 110, 0
RGB Percent	51%, 43%, 0%
CMY	0.4941, 0.5686, 1.0000
CMYK	0.00, 0.15, 1.00, 0.49
HSL	51°, 100%, 25%
HSV	51°, 100%, 51%
XYZ	14.6309, 15.8190, 2.2814
YIQ	103.1410, 46.6340, -30.1820

Conversions

Conversions Part 2

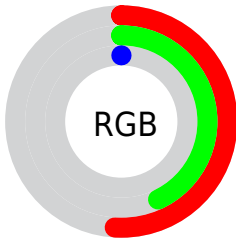
Format	Color
R_{YB}	22, 129, 0
Decimal	8482304
CIE Lab	46.74, -2.45, 53.03
CIE LCh	47, 53.085, 92.643
Yxy	15.8190, 0.4470, 0.4833
Android (android.graphics.Color)	4286672384 (0xFF816E00)
YUV	103.1410, -50.8485, 22.6783
Hunter-Lab	39.7731, -3.9403, 24.4403

Details

The Yxy color **15.8190, 0.4470, 0.4833** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0517, 0.1543, 0.0754**, and the grayscale version is **13.7318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1518, 0.4227, 0.4545**, and **5.0509, 0.4474, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **15.8198, 0.4470, 0.4833**, and if you desaturate by 10%, it is **16.2634, 0.4398, 0.4797**.

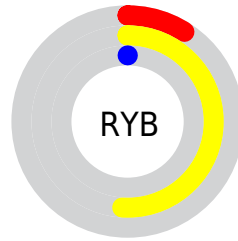
Distribution



Red (51%)

Green (43%)

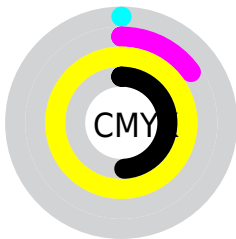
Blue (0%)



Red (9%)

Yellow (51%)

Blue (0%)

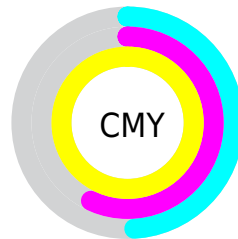


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8190, 0.4470, 0.4833 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 15.8190, 0.4470, 0.4833 by changing the saturation by 10% instead.

15.8190, 0.4470,
0.4833

15.8190, 0.4470,
0.4833

228.2713, 0.3768,
0.4009

9.3962, 0.4608,
0.5008

36.2837, 0.4230,
0.4543

5.0005, 0.4773,
0.5227

51.0943, 0.4132,
0.4428

2.2475, 0.4742,
0.5258

69.4697, 0.4048,
0.4330

0.7457, 0.4653,
0.5347


91.7942, 0.3976,
0.4247


0.0000, 0.0000,
0.0000


118.4522, 0.3913,
0.4174


149.8281, 0.3858,


0.4112


 186.3064, 0.3810,
0.4057

 15.8190, 0.4470,
0.4833

 15.8190, 0.4470,
0.4833


 15.8198, 0.4470,
0.4833

 16.2634, 0.4398,
0.4797

 16.7320, 0.4309,
0.4732

 17.2354, 0.4194,
0.4626

 17.7768, 0.4059,
0.4482

 18.3589, 0.3909,
0.4309

■ 18.9842, 0.3750,
0.4115

■ 19.6548, 0.3587,
0.3909

■ 20.3728, 0.3427,
0.3699

■ 21.1401, 0.3273,
0.3491

Harmonies

Analogous

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



15.8190, 0.5074, 0.4120



15.8190, 0.4470, 0.4833



15.8190, 0.3577, 0.5265

Triad

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



15.8190, 0.4470, 0.4833



15.8190, 0.1472, 0.2663



15.8190, 0.3388, 0.2201

Complementary

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



15.8190, 0.4470, 0.4833



2.0517, 0.1543, 0.0754

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.



15.8190, 0.2399, 0.1866



15.8190, 0.4470, 0.4833



15.8190, 0.1449, 0.2025

Square

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



15.8190, 0.4470, 0.4833



15.8190, 0.1858, 0.3762



15.8190, 0.1750, 0.1792



15.8190, 0.4465, 0.2745

Rectangle

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



15.8190, 0.4470, 0.4833



15.8190, 0.2932, 0.5133



15.8190, 0.1750, 0.1792



15.8190, 0.3029, 0.2063

Sweetspot

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



15.8198, 0.4470, 0.4833



35.1013, 0.3599, 0.3924



4.7166, 0.6137, 0.3155



7.8480, 0.3656, 0.3997



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.8198, 0.4470, 0.4833



28.1508, 0.4477, 0.4827



17.5829, 0.3607, 0.5518



4.9148, 0.3259, 0.3473



15.4252, 0.4469, 0.4833



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.0517, 0.1543, 0.0754



3.5254, 0.1536, 0.0728



2.1468, 0.1797, 0.0763



4.3062, 0.2993, 0.3101



2.0042, 0.1543, 0.0756



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.8190, 0.4470, 0.4833 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 15.8190, 0.4470, 0.4833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

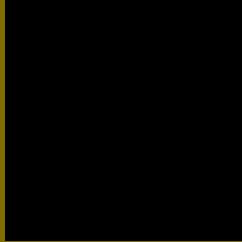
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8190, 0.4470, 0.4833

Background



This preview shows how black text looks on a background with the Yxy color 15.8190, 0.4470, 0.4833.



This preview shows how white text looks on a background with the Yxy color 15.8190, 0.4470, 0.4833.

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

15.8190, 0.4470, 0.4833

Protanopia

15.7376, 0.4384, 0.4871

Deuteranopia

15.7051, 0.4662, 0.4595



Tritanopia

15.7794, 0.3497, 0.3143

Trichromacy



Original Color

15.8190, 0.4470, 0.4833

Protanomaly

15.8111, 0.4402, 0.4865

Deuteranomaly

15.7672, 0.4589, 0.4681

Tritanomaly

15.5319, 0.4026, 0.3950

Monochromacy



Original Color

15.8190, 0.4470, 0.4833

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.1462, 0.3751, 0.4139

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8190, 0.4470, 0.4833 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(129, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 110, 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(129, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.8190, 0.4470, 0.4833 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(129, 110, 0) }
```

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

```
.border{ border-color:rgb(129, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8190, 0.4470, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 110, 0) }
```

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

```
.background{ background-color: rgb(129,  
110, 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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