

Converting Colors

$Y_{xy}(18.0714, 0.4835, 0.4144)$

Have a look what the booklet for
Yxy(18.0714, 0.4835, 0.4144)
contains.

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Color

Yxy(17.9676, 0.4833, 0.4140)

Conversions

Conversions Part 1

Format	Color
Hex	A66729
RGB	166, 103, 41
RGB Percent	65%, 40%, 16%
CMY	0.3490, 0.5960, 0.8393
CMYK	0.00, 0.38, 0.75, 0.35
HSL	30°, 60%, 41%
HSV	30°, 75%, 65%
XYZ	20.9752, 17.9676, 4.4572
YIQ	114.7690, 57.4500, -5.9260

Conversions

Conversions Part 2

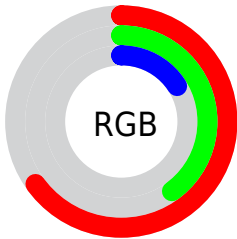
Format	Color
R _Y B	166, 164, 41
Decimal	10905385
CIE Lab	49.46, 20.01, 43.93
CIE LCh	49, 48.272, 65.509
Yxy	17.9676, 0.4833, 0.4140
Android (android.graphics.Color)	4289095465 (0xFFA66729)
YUV	114.7690, -36.3681, 44.9296
Hunter-Lab	42.3882, 14.1489, 23.4373

Details

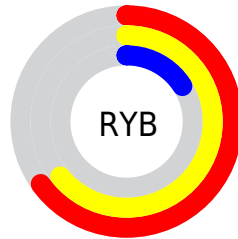
The Yxy color **17.9676, 0.4833, 0.4140** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1150, 0.1997, 0.2056**, and the grayscale version is **17.1696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8569, 0.4475, 0.4012**, and **6.0796, 0.5300, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **16.2948, 0.5087, 0.4154**, and if you desaturate by 10%, it is **19.8576, 0.4562, 0.4080**.

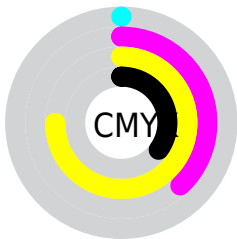
Distribution



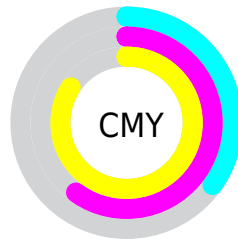
- Red (65%)
- Green (40%)
- Blue (16%)



- Red (65%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (38%)
- Yellow (75%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9676, 0.4833, 0.4140 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 17.9676, 0.4833, 0.4140 by changing the saturation by 10% instead.


 17.9676, 0.4833,
0.4140


 17.9676, 0.4833,
0.4140


240.6884, 0.3882,
0.3739


 10.9267, 0.5079,
0.4199


 39.9821, 0.4473,
0.4015


 6.0176, 0.5410,
0.4251

 55.7245, 0.4341,
0.3960

 2.8558, 0.5789,
0.4211

 75.1363, 0.4231,
0.3912


 1.0569, 0.6111,
0.3889

 98.6017, 0.4138,
0.3868

 0.0000, 1.0000,
0.0000

 126.5052, 0.4060,
0.3830

 0.0000, 0.0000,
0.0000

 159.2313, 0.3992,

0.3796

197.1642, 0.3933,
0.3766

■ 17.9676, 0.4833,
0.4140

■ 17.9676, 0.4833,
0.4140

■ 16.2948, 0.5087,
0.4154

■ 19.8576, 0.4562,
0.4080

■ 14.8244, 0.5308,
0.4116

■ 21.9720, 0.4290,
0.3986

■ 14.1971, 0.5406,
0.4089

■ 24.3211, 0.4030,
0.3869

■ 26.9134, 0.3790,
0.3741

■ 29.7569, 0.3572,
0.3608

■ 32.8591, 0.3379,
0.3478

■ 36.2273, 0.3209,
0.3353

■ 39.8683, 0.3060,
0.3236

■ 43.7887, 0.2930,
0.3127

Harmonies

Analogous

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



17.9676, 0.4901, 0.3487



17.9676, 0.4833, 0.4140



17.9676, 0.4285, 0.4738

Triad

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



17.9676, 0.4833, 0.4140



17.9676, 0.1959, 0.3608



17.9676, 0.2561, 0.2028

Complementary

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



17.9676, 0.4833, 0.4140



13.1150, 0.1997, 0.2056

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.



17.9676, 0.1937, 0.1940



17.9676, 0.4833, 0.4140



17.9676, 0.1627, 0.2685

Square

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



17.9676, 0.4833, 0.4140



17.9676, 0.2626, 0.4591



17.9676, 0.1628, 0.2136



17.9676, 0.3457, 0.2356

Rectangle

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



17.9676, 0.4833, 0.4140



17.9676, 0.3763, 0.4981



17.9676, 0.1628, 0.2136



17.9676, 0.2318, 0.1970

Sweetspot

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



17.9685, 0.4833, 0.4140



55.0390, 0.3534, 0.3584



10.7216, 0.4301, 0.2415



11.8943, 0.3606, 0.3630



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



17.9685, 0.4833, 0.4140



27.8392, 0.5232, 0.4136



34.7855, 0.4114, 0.4870



8.1341, 0.3274, 0.3402



11.1032, 0.5393, 0.4100



0.3727, 0.4900, 0.4492

Inverse Universe

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



13.1150, 0.1997, 0.2056



18.5845, 0.1840, 0.1751



4.9552, 0.1726, 0.0987



7.9017, 0.2987, 0.3175



7.1007, 0.1783, 0.1619



0.2750, 0.1951, 0.2223

Previews

White Background



This preview shows how the Yxy color 17.9676, 0.4833, 0.4140 looks on a white background.

Color Contrast Check

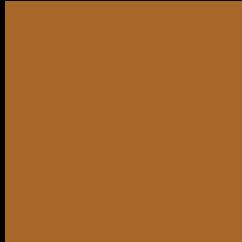
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9676, 0.4833, 0.4140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

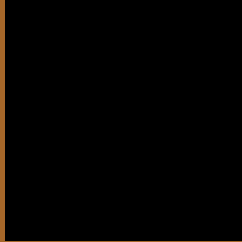
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9676, 0.4833, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 17.9676, 0.4833, 0.4140.



This preview shows how white text looks on a background with the Yxy color 17.9676, 0.4833, 0.4140.

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

17.9676, 0.4833, 0.4140

Protanopia

18.0519, 0.4157, 0.4556

Deuteranopia

18.0242, 0.4507, 0.4426



Tritanopia

18.0949, 0.4111, 0.3185

Trichromacy



Original Color

17.9676, 0.4833, 0.4140

Protanomaly

17.9214, 0.4390, 0.4405

Deuteranomaly

18.0523, 0.4631, 0.4320

Tritanomaly

17.9528, 0.4432, 0.3567

Monochromacy



Original Color

17.9676, 0.4833, 0.4140

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.1418, 0.3752, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9676, 0.4833, 0.4140 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(166, 103, 41)` looks like.

```
.text, #text, p{  
    color:rgb(166, 103, 41)  
}
```

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(166, 103, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 103, 41) }
```

Border

The CSS property to change the border of an element to Yxy 17.9676, 0.4833, 0.4140 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(166, 103, 41) }
```

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

```
.border{ border-color:rgb(166, 103, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 103, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 103, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 103, 41);  
box-shadow:4px 4px 4px 4px rgb(166, 103,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9676, 0.4833, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 103, 41) }
```

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

```
.background{ background-color: rgb(166,  
103, 41) }
```

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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