

Converting Colors

$Y_{xy}(18.5269, 0.4704, 0.3898)$

Have a look what the booklet for
Yxy(18.5269, 0.4704, 0.3898)
contains.

Yxy(18.4869, 0.4706, 0.3891)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(18.4869, 0.4706, 0.3891)$

Conversions

Conversions Part 1

Format	Color
Hex	AB663C
RGB	171, 102, 60
RGB Percent	67%, 40%, 24%
CMY	0.3295, 0.5999, 0.7647
CMYK	0.00, 0.40, 0.65, 0.33
HSL	23°, 48%, 45%
HSV	23°, 65%, 67%
XYZ	22.3591, 18.4869, 6.6659
YIQ	117.8430, 54.6060, 1.5660

Conversions

Conversions Part 2

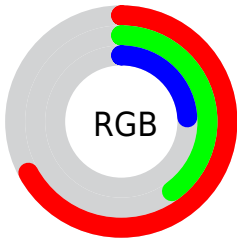
Format	Color
RYB	171, 128, 60
Decimal	11232828
CIELab	50.08, 23.82, 35.11
CIElCh	50, 42.428, 55.841
Yxy	18.4869, 0.4706, 0.3891
Android (android.graphics.Color)	4289422908 (0xFFAB663C)
YUV	117.8430, -28.5166, 46.6187
Hunter-Lab	42.9964, 17.5805, 20.9055

Details

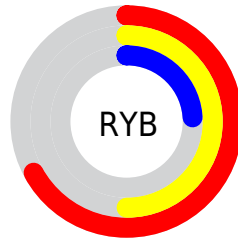
The Yxy color **18.4869, 0.4706, 0.3891** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.5955, 0.2186, 0.2510**, and the grayscale version is **18.1441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0383, 0.4351, 0.3803**, and **6.2474, 0.5288, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **16.3784, 0.5035, 0.3927**, and if you desaturate by 10%, it is **20.9235, 0.4384, 0.3823**.

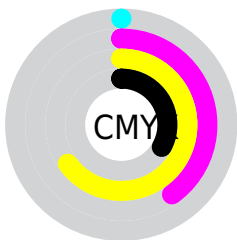
Distribution



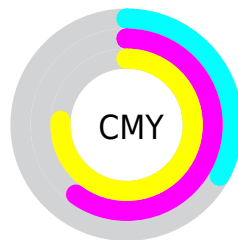
- Red (67%)
- Green (40%)
- Blue (24%)



- Red (67%)
- Yellow (50%)
- Blue (24%)



- Cyan (0%)
- Magenta (40%)
- Yellow (65%)
- Black (33%)





- Cyan (33%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4869, 0.4706, 0.3891 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 18.4869, 0.4706, 0.3891 by changing the saturation by 10% instead.


 18.4869, 0.4706,
0.3891

 18.4869, 0.4706,
0.3891


243.6013, 0.3808,
0.3609


 11.3001, 0.4958,
0.3935


 40.8653, 0.4356,
0.3802


 6.2691, 0.5289,
0.3961


 56.8256, 0.4231,
0.3764


 3.0094, 0.5931,
0.4069

 76.4793, 0.4128,
0.3729

 1.1366, 0.6285,
0.3715

 100.2107, 0.4043,
0.3699

 0.0090, 0.9850,
0.0150

 128.4042, 0.3970,
0.3673

 0.0000, 0.0000,
0.0000

 161.4442, 0.3908,

0.3649

199.7151, 0.3854,
0.3628

■ 18.4869, 0.4706,
0.3891

■ 18.4869, 0.4706,
0.3891

■ 16.3784, 0.5035,
0.3927

■ 20.9235, 0.4384,
0.3823

■ 14.5792, 0.5348,
0.3918

■ 23.7001, 0.4086,
0.3733

■ 13.0723, 0.5619,
0.3858

■ 26.8312, 0.3817,
0.3634

■ 12.4044, 0.5747,
0.3819

■ 30.3295, 0.3582,
0.3531

■ 34.2073, 0.3378,
0.3431

■ 38.4759, 0.3203,
0.3335

■ 43.1465, 0.3054,
0.3245

■ 48.2295, 0.2926,
0.3162

■ 53.7351, 0.2816,
0.3086

Harmonies

Analogous

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



18.4869, 0.4581, 0.3304



18.4869, 0.4706, 0.3891



18.4869, 0.4359, 0.4440

Triad

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



18.4869, 0.4706, 0.3891



18.4869, 0.2265, 0.3862



18.4869, 0.2422, 0.2110

Complementary

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



18.4869, 0.4706, 0.3891



19.5955, 0.2186, 0.2510

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.



18.4869, 0.1946, 0.2115



18.4869, 0.4706, 0.3891



18.4869, 0.1855, 0.3006

Square

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



18.4869, 0.4706, 0.3891



18.4869, 0.2939, 0.4589



18.4869, 0.1754, 0.2399



18.4869, 0.3153, 0.2341

Rectangle

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



18.4869, 0.4706, 0.3891



18.4869, 0.3945, 0.4702



18.4869, 0.1754, 0.2399



18.4869, 0.2232, 0.2084

Sweetspot

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



18.4879, 0.4706, 0.3891



58.1125, 0.3465, 0.3475



13.5083, 0.3831, 0.2305



12.5314, 0.3522, 0.3503



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.4879, 0.4706, 0.3891



27.8296, 0.5178, 0.3929



32.8221, 0.4135, 0.4597



8.4936, 0.3277, 0.3376



9.4478, 0.5729, 0.3833



0.3701, 0.5164, 0.4281

Inverse Universe

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



19.5955, 0.2186, 0.2510



29.8093, 0.2036, 0.2301



8.9064, 0.1945, 0.1478



8.5549, 0.2986, 0.3202



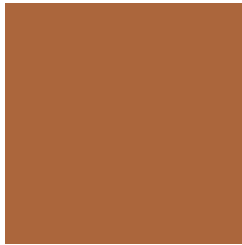
10.1339, 0.1895, 0.2021



0.3829, 0.2014, 0.2450

Previews

White Background



This preview shows how the Yxy color 18.4869, 0.4706, 0.3891 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 18.4869, 0.4706, 0.3891 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 18.4869, 0.4706, 0.3891

Background



This preview shows how black text looks on a background with the Yxy color 18.4869, 0.4706, 0.3891.



This preview shows how white text looks on a background with the Yxy color 18.4869, 0.4706, 0.3891.

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

18.4869, 0.4706, 0.3891

Protanopia

18.7318, 0.3930, 0.4276

Deuteranopia

18.6259, 0.4305, 0.4227



Tritanopia

18.5475, 0.4165, 0.3188

Trichromacy



Original Color

18.4869, 0.4706, 0.3891

Protanomaly

18.2914, 0.4211, 0.4122

Deuteranomaly

18.5253, 0.4446, 0.4108

Tritanomaly

18.5125, 0.4381, 0.3458

Monochromacy



Original Color

18.4869, 0.4706, 0.3891

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.7698, 0.3667, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4869, 0.4706, 0.3891 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(171, 102, 60)` looks like.

```
.text, #text, p{  
    color:rgb(171, 102, 60)  
}
```

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(171, 102, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 102, 60) }
```

Border

The CSS property to change the border of an element to Yxy 18.4869, 0.4706, 0.3891 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(171, 102, 60) }
```

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

```
.border{ border-color:rgb(171, 102, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 102, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 102, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 102, 60);  
box-shadow:4px 4px 4px 4px rgb(171, 102,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4869, 0.4706, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 102, 60) }
```

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

```
.background{ background-color: rgb(171,  
102, 60) }
```

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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