

Converting Colors

$Y_{xy}(18.0616, 0.4747, 0.3818)$

Have a look what the booklet for
Yxy(18.0616, 0.4747, 0.3818)
contains.

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Color

Yxy(18.1557, 0.4741, 0.3815)

Conversions

Conversions Part 1

Format	Color
Hex	AD633E
RGB	173, 99, 62
RGB Percent	68%, 39%, 24%
CMY	0.3216, 0.6117, 0.7569
CMYK	0.00, 0.43, 0.64, 0.32
HSL	20°, 47%, 46%
HSV	20°, 64%, 68%
XYZ	22.5626, 18.1557, 6.8720
YIQ	116.9080, 55.9810, 4.1810

Conversions

Conversions Part 2

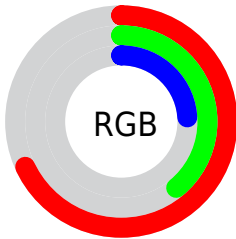
Format	Color
R_{YB}	173, 118, 62
Decimal	11363134
CIE Lab	49.68, 26.47, 33.62
CIE LCh	50, 42.788, 51.788
Yxy	18.1557, 0.4741, 0.3815
Android (android.graphics.Color)	4289553214 (0xFFAD633E)
YUV	116.9080, -27.0696, 49.1927
Hunter-Lab	42.6095, 19.9526, 20.2644

Details

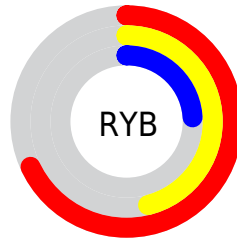
The Yxy color **18.1557, 0.4741, 0.3815** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.6402, 0.2216, 0.2616**, and the grayscale version is **17.8323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4367, 0.4371, 0.3744**, and **6.1211, 0.5347, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **15.9649, 0.5092, 0.3844**, and if you desaturate by 10%, it is **20.7208, 0.4401, 0.3755**.

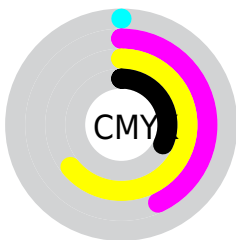
Distribution



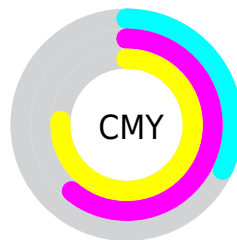
- Red (68%)
- Green (39%)
- Blue (24%)



- Red (68%)
- Yellow (46%)
- Blue (24%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (32%)





- Cyan (32%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1557, 0.4741, 0.3815 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 18.1557, 0.4741, 0.3815 by changing the saturation by 10% instead.


 18.1557, 0.4741,
0.3815


 18.1557, 0.4741,
0.3815


241.7472, 0.3817,
0.3576


 11.0618, 0.5004,
0.3847


 40.3025, 0.4379,
0.3743


 6.1084, 0.5352,
0.3857

 56.1241, 0.4250,
0.3711


 2.9111, 0.6030,
0.3940

 75.6239, 0.4145,
0.3681

 1.0855, 0.6439,
0.3561

 99.1860, 0.4057,
0.3655

 0.0000, 1.0000,
0.0000

 127.1951, 0.3983,
0.3632

 0.0000, 0.0000,
0.0000

 160.0353, 0.3920,

0.3611

198.0913, 0.3865,
0.3593

■ 18.1557, 0.4741,
0.3815

■ 18.1557, 0.4741,
0.3815

■ 15.9649, 0.5092,
0.3844

■ 20.7208, 0.4401,
0.3755

■ 14.1263, 0.5428,
0.3831

■ 23.6749, 0.4089,
0.3676

■ 12.6198, 0.5718,
0.3769

■ 27.0352, 0.3813,
0.3588

■ 11.8779, 0.5869,
0.3722

■ 30.8172, 0.3573,
0.3497

■ 35.0352, 0.3367,
0.3408

■ 39.7031, 0.3192,
0.3323

■ 44.8339, 0.3043,
0.3245

■ 50.4404, 0.2917,
0.3172

■ 56.5344, 0.2810,
0.3106

Harmonies

Analogous

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



18.1557, 0.4544, 0.3224



18.1557, 0.4741, 0.3815



18.1557, 0.4444, 0.4385

Triad

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



18.1557, 0.4741, 0.3815



18.1557, 0.2332, 0.3990



18.1557, 0.2331, 0.2082

Complementary

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



18.1557, 0.4741, 0.3815



21.6402, 0.2216, 0.2616

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.



18.1557, 0.1888, 0.2121



18.1557, 0.4741, 0.3815



18.1557, 0.1876, 0.3108

Square

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



18.1557, 0.4741, 0.3815



18.1557, 0.3039, 0.4672



18.1557, 0.1734, 0.2449



18.1557, 0.3042, 0.2285

Rectangle

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



18.1557, 0.4741, 0.3815



18.1557, 0.4047, 0.4678



18.1557, 0.1734, 0.2449



18.1557, 0.2151, 0.2066

Sweetspot

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



18.1566, 0.4741, 0.3815



58.7515, 0.3469, 0.3453



14.1048, 0.3757, 0.2265



12.3207, 0.3527, 0.3478



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.



18.1566, 0.4741, 0.3815



27.1442, 0.5236, 0.3844



32.5029, 0.4159, 0.4546



8.4355, 0.3278, 0.3366



8.8232, 0.5849, 0.3737



0.3477, 0.5262, 0.4204

Inverse Universe

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



21.6402, 0.2216, 0.2616



33.6774, 0.2076, 0.2438



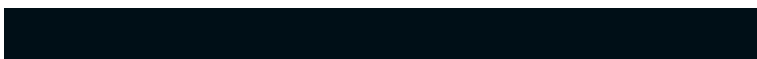
9.8507, 0.1972, 0.1562



8.6151, 0.2986, 0.3213



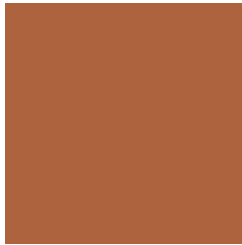
11.3832, 0.1939, 0.2180



0.4117, 0.2043, 0.2556

Previews

White Background



This preview shows how the Yxy color 18.1557, 0.4741, 0.3815 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 18.1557, 0.4741, 0.3815 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 18.1557, 0.4741, 0.3815

Background



This preview shows how black text looks on a background with the Yxy color 18.1557, 0.4741, 0.3815.



This preview shows how white text looks on a background with the Yxy color 18.1557, 0.4741, 0.3815.

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

18.1557, 0.4741, 0.3815

Protanopia

18.3691, 0.3877, 0.4220

Deuteranopia

18.2370, 0.4267, 0.4196



Tritanopia

18.0590, 0.4244, 0.3189

Trichromacy



Original Color

18.1557, 0.4741, 0.3815

Protanomaly

18.0927, 0.4197, 0.4076

Deuteranomaly

18.1193, 0.4446, 0.4051

Tritanomaly

18.0525, 0.4434, 0.3427

Monochromacy



Original Color

18.1557, 0.4741, 0.3815

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3333, 0.3677, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1557, 0.4741, 0.3815 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(173, 99, 62)` looks like.

```
.text, #text, p{  
  color:rgb(173, 99, 62)  
}
```

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(173, 99, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 99, 62) }
```

Border

The CSS property to change the border of an element to Yxy 18.1557, 0.4741, 0.3815 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(173, 99, 62) }
```

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

```
.border{ border-color:rgb(173, 99, 62) }
```

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

Here you see how a box with a 4 pixel rgb(173, 99, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 99, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 99, 62);  
box-shadow:4px 4px 4px 4px rgb(173, 99,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1557, 0.4741, 0.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 99, 62) }
```

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

```
.background{ background-color: rgb(173, 99,  
62) }
```

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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