

Converting Colors

$Y_{xy}(19.3323, 0.4682, 0.4119)$

Have a look what the booklet for
Yxy(19.3323, 0.4682, 0.4119)
contains.

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Color

Yxy(19.3831, 0.4680, 0.4127)

Conversions

Conversions Part 1

Format	Color
Hex	A76D32
RGB	167, 109, 50
RGB Percent	65%, 43%, 20%
CMY	0.3451, 0.5725, 0.8038
CMYK	0.00, 0.35, 0.70, 0.35
HSL	30°, 54%, 43%
HSV	30°, 70%, 65%
XYZ	21.9804, 19.3831, 5.6031
YIQ	119.6160, 53.5070, -6.0530

Conversions

Conversions Part 2

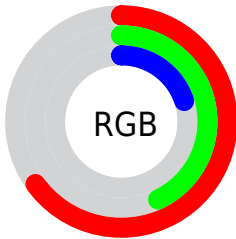
Format	Color
R_{YB}	165, 167, 50
Decimal	10972466
CIE Lab	51.13, 17.54, 41.35
CIE LCh	51, 44.921, 67.017
Yxy	19.3831, 0.4680, 0.4127
Android (android.graphics.Color)	4289162546 (0xFFA76D32)
YUV	119.6160, -34.3207, 41.5558
Hunter-Lab	44.0262, 12.0712, 23.2727

Details

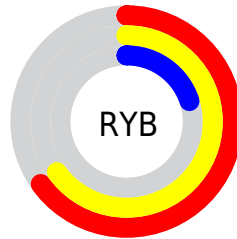
The Yxy color **19.3831, 0.4680, 0.4127** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.1965, 0.2056, 0.2137**, and the grayscale version is **18.7535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5593, 0.4353, 0.3996**, and **6.7170, 0.5204, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **17.5811, 0.4941, 0.4168**, and if you desaturate by 10%, it is **21.4060, 0.4410, 0.4046**.

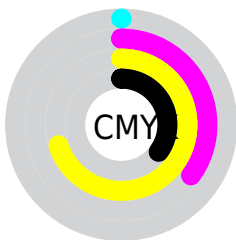
Distribution



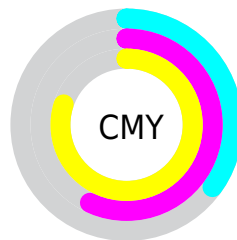
- Red (65%)
- Green (43%)
- Blue (20%)



- Red (65%)
- Yellow (65%)
- Blue (20%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (35%)





- Cyan (35%)
- Magenta (57%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.3831, 0.4680, 0.4127 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 19.3831, 0.4680, 0.4127 by changing the saturation by 10% instead.


 19.3831, 0.4680,
0.4127


 19.3831, 0.4680,
0.4127


248.5556, 0.3817,
0.3719


 11.9474, 0.4907,
0.4200


 42.3805, 0.4352,
0.3993

 6.7079, 0.5192,
0.4261


 58.7109, 0.4232,
0.3937

 3.2801, 0.5649,
0.4351

 78.7751, 0.4133,
0.3888

 1.2797, 0.5911,
0.4089

 102.9574, 0.4049,
0.3845

 0.1254, 0.8136,
0.1864

 131.6422, 0.3978,
0.3808

 0.0000, 0.0000,
0.0000

 165.2139, 0.3917,

0.3775

204.0569, 0.3863,
0.3745

■ 19.3831, 0.4680,
0.4127

■ 19.3831, 0.4680,
0.4127

■ 17.5811, 0.4941,
0.4168

■ 21.4060, 0.4410,
0.4046

■ 15.9865, 0.5177,
0.4159

■ 23.6565, 0.4146,
0.3936

■ 14.5876, 0.5384,
0.4107

■ 26.1442, 0.3898,
0.3810

■ 28.8774, 0.3671,
0.3677

■ 31.8636, 0.3467,
0.3543

■ 35.1102, 0.3286,
0.3414

■ 38.6242, 0.3128,
0.3291

■ 42.4120, 0.2989,
0.3176

■ 46.4802, 0.2868,
0.3069

Harmonies

Analogous

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



19.3831, 0.4753, 0.3522



19.3831, 0.4680, 0.4127



19.3831, 0.4173, 0.4650

Triad

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



19.3831, 0.4680, 0.4127



19.3831, 0.2036, 0.3538



19.3831, 0.2650, 0.2132

Complementary

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



19.3831, 0.4680, 0.4127



14.1965, 0.2056, 0.2137

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.



19.3831, 0.2052, 0.2041



19.3831, 0.4680, 0.4127



19.3831, 0.1735, 0.2715

Square

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



19.3831, 0.4680, 0.4127



19.3831, 0.2644, 0.4418



19.3831, 0.1747, 0.2217



19.3831, 0.3477, 0.2450

Rectangle

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



19.3831, 0.4680, 0.4127



19.3831, 0.3690, 0.4835



19.3831, 0.1747, 0.2217



19.3831, 0.2419, 0.2075

Sweetspot

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



19.3841, 0.4680, 0.4127



56.3283, 0.3493, 0.3561



11.5919, 0.4222, 0.2470



12.2821, 0.3545, 0.3596



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.



19.3841, 0.4680, 0.4127



29.8797, 0.5074, 0.4170



36.0808, 0.4055, 0.4824



8.1440, 0.3274, 0.3404



11.2617, 0.5369, 0.4119



0.3763, 0.4886, 0.4502

Inverse Universe

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



14.1965, 0.2056, 0.2137



20.0010, 0.1885, 0.1839



5.7519, 0.1802, 0.1099



7.8918, 0.2987, 0.3173



6.9425, 0.1776, 0.1593



0.2715, 0.1946, 0.2204

Previews

White Background



This preview shows how the Yxy color 19.3831, 0.4680, 0.4127 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 19.3831, 0.4680, 0.4127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

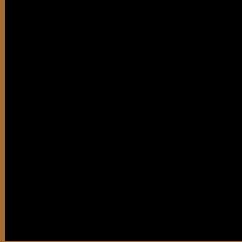
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3831, 0.4680, 0.4127

Background



This preview shows how black text looks on a background with the Yxy color 19.3831, 0.4680, 0.4127.



This preview shows how white text looks on a background with the Yxy color 19.3831, 0.4680, 0.4127.

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

19.3831, 0.4680, 0.4127

Protanopia

19.4196, 0.4087, 0.4464

Deuteranopia

19.3796, 0.4423, 0.4345



Tritanopia

19.4842, 0.3999, 0.3185

Trichromacy



Original Color

19.3831, 0.4680, 0.4127

Protanomaly

19.1827, 0.4298, 0.4331

Deuteranomaly

19.2001, 0.4515, 0.4257

Tritanomaly

19.3538, 0.4293, 0.3552

Monochromacy



Original Color

19.3831, 0.4680, 0.4127

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6354, 0.3674, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3831, 0.4680, 0.4127 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(167, 109, 50)` looks like.

```
.text, #text, p{  
    color:rgb(167, 109, 50)  
}
```

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(167, 109, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 109, 50) }
```

Border

The CSS property to change the border of an element to Yxy 19.3831, 0.4680, 0.4127 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(167, 109, 50) }
```

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

```
.border{ border-color:rgb(167, 109, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 109, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 109, 50); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 109, 50); box-shadow:4px 4px 4px 4px rgb(167, 109, 50) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3831, 0.4680, 0.4127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 109, 50) }
```

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

```
.background{ background-color: rgb(167,  
109, 50) }
```

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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