

Converting Colors

$Y_{xy}(19.0203, 0.4460, 0.4309)$

Have a look what the booklet for
Yxy(19.0203, 0.4460, 0.4309)
contains.

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Color

Yxy(19.0203, 0.4460, 0.4309)

Conversions

Conversions Part 1

Format	Color
Hex	997230
RGB	153, 114, 48
RGB Percent	60%, 45%, 19%
CMY	0.4000, 0.5529, 0.8116
CMYK	0.00, 0.25, 0.69, 0.40
HSL	38°, 52%, 39%
HSV	38°, 69%, 60%
XYZ	19.6868, 19.0203, 5.4337
YIQ	118.1370, 44.4300, -12.2580

Conversions

Conversions Part 2

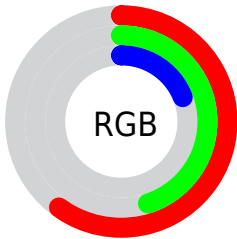
Format	Color
R_{YB}	110, 153, 48
Decimal	10056240
CIE _{Lab}	50.71, 8.29, 41.39
CIE _{LCh}	51, 42.207, 78.676
Yxy	19.0203, 0.4460, 0.4309
Android (android.graphics.Color)	4288246320 (0xFF997230)
YUV	118.1370, -34.5775, 30.5749
Hunter-Lab	43.6123, 4.2544, 23.1415

Details

The Yxy color **19.0203, 0.4460, 0.4309** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.7483, 0.2012, 0.1889**, and the grayscale version is **18.2634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8371, 0.4180, 0.4128**, and **6.4931, 0.4863, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **17.6734, 0.4664, 0.4384**, and if you desaturate by 10%, it is **20.4923, 0.4244, 0.4197**.

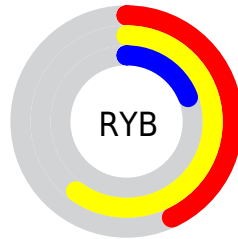
Distribution



Red (60%)

Green (45%)

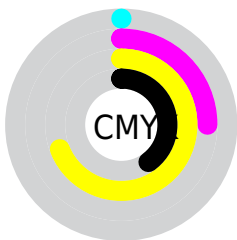
Blue (19%)



Red (43%)

Yellow (60%)

Blue (19%)

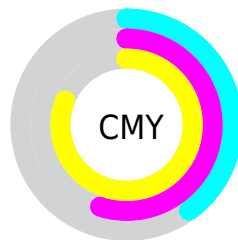


Cyan (0%)

Magenta (25%)

Yellow (69%)

Black (40%)



Cyan (40%)


Magenta (55%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0203, 0.4460, 0.4309 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 19.0203, 0.4460, 0.4309 by changing the saturation by 10% instead.


 19.0203, 0.4460,
0.4309


 19.0203, 0.4460,
0.4309


246.5608, 0.3724,
0.3778


 11.6849, 0.4649,
0.4426


 41.7684, 0.4183,
0.4120


 6.5295, 0.4884,
0.4553


 57.9499, 0.4081,
0.4047

 3.1697, 0.5256,
0.4744

 77.8490, 0.3996,
0.3984

 1.2209, 0.5394,
0.4606

 101.8499, 0.3924,
0.3931

 0.0787, 0.7788,
0.2212

 130.3372, 0.3863,
0.3885

 0.0000, 0.0000,
0.0000

 163.6952, 0.3810,

0.3844

202.3083, 0.3764,
0.3809

■ 19.0203, 0.4460,
0.4309

■ 19.0203, 0.4460,
0.4309

■ 17.6734, 0.4664,
0.4384

■ 20.4923, 0.4244,
0.4197

■ 16.4426, 0.4844,
0.4412

■ 22.0921, 0.4025,
0.4058

■ 15.3179, 0.5000,
0.4397

■ 23.8255, 0.3813,
0.3903

■ 15.1672, 0.5022,
0.4394

■ 25.6970, 0.3612,
0.3741

■ 27.7110, 0.3427,
0.3578

■ 29.8715, 0.3259,
0.3420

■ 32.1822, 0.3107,
0.3270

■ 34.6469, 0.2971,
0.3128

■ 37.2690, 0.2851,
0.2997

Harmonies

Analogous

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



19.0203, 0.4701, 0.3748



19.0203, 0.4460, 0.4309



19.0203, 0.3871, 0.4706

Triad

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



19.0203, 0.4460, 0.4309



19.0203, 0.1940, 0.3199



19.0203, 0.2964, 0.2279

Complementary

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



19.0203, 0.4460, 0.4309



9.7483, 0.2012, 0.1889

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.



19.0203, 0.2294, 0.2103



19.0203, 0.4460, 0.4309



19.0203, 0.1768, 0.2525

Square

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



19.0203, 0.4460, 0.4309



19.0203, 0.2418, 0.4055



19.0203, 0.1889, 0.2170



19.0203, 0.3780, 0.2657

Rectangle

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



19.0203, 0.4460, 0.4309



19.0203, 0.3379, 0.4744



19.0203, 0.1889, 0.2170



19.0203, 0.2715, 0.2195

Sweetspot

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



19.0212, 0.4460, 0.4309



48.5936, 0.3478, 0.3623



9.5972, 0.4452, 0.2676



10.5292, 0.3524, 0.3664



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.0212, 0.4460, 0.4309



30.5238, 0.4758, 0.4404



28.6331, 0.3901, 0.4885



6.8370, 0.3269, 0.3430



12.6025, 0.5014, 0.4401



0.2577, 0.4587, 0.4740

Inverse Universe

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



9.7483, 0.2012, 0.1889



12.9258, 0.1818, 0.1542



5.3859, 0.1940, 0.1203



6.3834, 0.2988, 0.3146



4.3651, 0.1672, 0.1220



0.1312, 0.1899, 0.2035

Previews

White Background



This preview shows how the Yxy color 19.0203, 0.4460, 0.4309 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 19.0203, 0.4460, 0.4309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

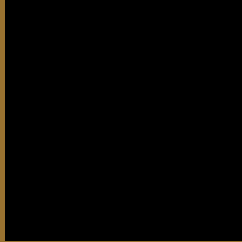
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0203, 0.4460, 0.4309

Background



This preview shows how black text looks on a background with the Yxy color 19.0203, 0.4460, 0.4309.



This preview shows how white text looks on a background with the Yxy color 19.0203, 0.4460, 0.4309.

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

19.0203, 0.4460, 0.4309

Protanopia

19.0559, 0.4121, 0.4511

Deuteranopia

19.0542, 0.4422, 0.4337



Tritanopia

19.0223, 0.3731, 0.3161

Trichromacy



Original Color

19.0203, 0.4460, 0.4309

Protanomaly

18.9294, 0.4258, 0.4431

Deuteranomaly

19.1503, 0.4435, 0.4330

Tritanomaly

18.9751, 0.4026, 0.3608

Monochromacy



Original Color

19.0203, 0.4460, 0.4309

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.3382, 0.3612, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0203, 0.4460, 0.4309 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(153, 114, 48)` looks like.

```
.text, #text, p{  
    color:rgb(153, 114, 48)  
}
```

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(153, 114, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 114, 48) }
```

Border

The CSS property to change the border of an element to Yxy 19.0203, 0.4460, 0.4309 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(153, 114, 48) }
```

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

```
.border{ border-color:rgb(153, 114, 48) }
```

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

Here you see how a box with a 4 pixel rgb(153, 114, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 114, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 114, 48);  
box-shadow:4px 4px 4px 4px rgb(153, 114,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0203, 0.4460, 0.4309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 114, 48) }
```

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

```
.background{ background-color: rgb(153,  
114, 48) }
```

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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