

Converting Colors

$Y_{xy}(18.1031, 0.4194, 0.3823)$

Have a look what the booklet for
Yxy(18.1031, 0.4194, 0.3823)
contains.

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Color

Yxy(18.0333, 0.4192, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	996C4D
RGB	153, 108, 77
RGB Percent	60%, 42%, 30%
CMY	0.3999, 0.5765, 0.6980
CMYK	0.00, 0.29, 0.50, 0.40
HSL	24°, 33%, 45%
HSV	24°, 50%, 60%
XYZ	19.8414, 18.0333, 9.4568
YIQ	117.9210, 36.7710, -0.1010

Conversions

Conversions Part 2

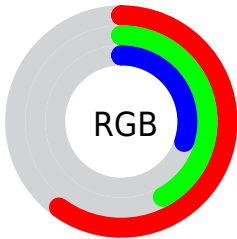
Format	Color
R_{YB}	153, 129, 77
Decimal	10054733
CIE Lab	49.54, 14.12, 24.42
CIE LCh	50, 28.212, 59.962
Yxy	18.0333, 0.4192, 0.3810
Android (android.graphics.Color)	4288244813 (0xFF996C4D)
YUV	117.9210, -20.1741, 30.7643
Hunter-Lab	42.4656, 9.0863, 16.5224

Details

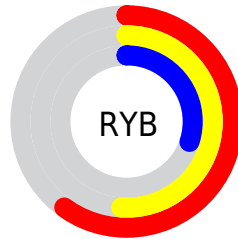
The Yxy color **18.0333, 0.4192, 0.3810** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.8033, 0.2378, 0.2684**, and the grayscale version is **18.1472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2033, 0.3944, 0.3720**, and **5.9887, 0.4631, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **16.0296, 0.4488, 0.3898**, and if you desaturate by 10%, it is **20.2884, 0.3920, 0.3707**.

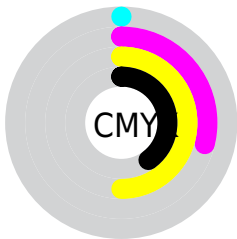
Distribution



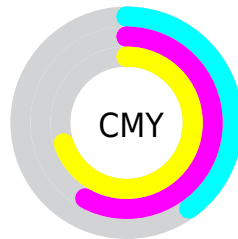
- Red (60%)
- Green (42%)
- Blue (30%)



- Red (60%)
- Yellow (51%)
- Blue (30%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (40%)





- Cyan (40%)
- Magenta (58%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0333, 0.4192, 0.3810 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 18.0333, 0.4192, 0.3810 by changing the saturation by 10% instead.


 18.0333, 0.4192,
0.3810


 18.0333, 0.4192,
0.3810


241.0587, 0.3576,
0.3534

 10.9739, 0.4377,
0.3878


 40.0941, 0.3946,
0.3709

 6.0493, 0.4633,
0.3958

 55.8642, 0.3860,
0.3671

 2.8751, 0.5027,
0.4059

 75.3067, 0.3790,
0.3639

 1.0669, 0.5772,
0.4228

 98.8060, 0.3733,
0.3611

 0.0000, 1.0000,
0.0000

 126.7464, 0.3684,
0.3588

 0.0000, 0.0000,
0.0000

159.5124, 0.3643,

0.3568

197.4884, 0.3607,
0.3550

■ 18.0333, 0.4192,
0.3810

■ 18.0333, 0.4192,
0.3810

■ 16.0296, 0.4488,
0.3898

■ 20.2884, 0.3920,
0.3707

■ 14.2650, 0.4799,
0.3960

■ 22.8012, 0.3678,
0.3599

■ 12.7298, 0.5107,
0.3985

■ 25.5812, 0.3466,
0.3490

■ 11.4126, 0.5391,
0.3961

■ 28.6365, 0.3281,
0.3386

■ 10.2950, 0.5642,
0.3898

■ 31.9748, 0.3122,
0.3287

■ 10.2616, 0.5650,
0.3896

■ 35.6036, 0.2986,
0.3195

■ 39.5299, 0.2868,
0.3110

■ 43.7607, 0.2766,
0.3032

■ 48.3026, 0.2678,
0.2961

Harmonies

Analogous

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



18.0333, 0.4134, 0.3391



18.0333, 0.4192, 0.3810



18.0333, 0.3944, 0.4148

Triad

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



18.0333, 0.4192, 0.3810



18.0333, 0.2492, 0.3595



18.0333, 0.2710, 0.2464

Complementary

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



18.0333, 0.4192, 0.3810



17.8033, 0.2378, 0.2684

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.



18.0333, 0.2332, 0.2454



18.0333, 0.4192, 0.3810



18.0333, 0.2213, 0.3055

Square

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



18.0333, 0.4192, 0.3810



18.0333, 0.2953, 0.4075



18.0333, 0.2160, 0.2650



18.0333, 0.3234, 0.2653

Rectangle

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



18.0333, 0.4192, 0.3810



18.0333, 0.3653, 0.4265



18.0333, 0.2160, 0.2650



18.0333, 0.2563, 0.2439

Sweetspot

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



18.0342, 0.4192, 0.3810



48.1367, 0.3382, 0.3444



13.5026, 0.3647, 0.2545



10.3999, 0.3418, 0.3464



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.



18.0342, 0.4192, 0.3810



28.1966, 0.4535, 0.3909



27.6875, 0.3890, 0.4366



6.6156, 0.3274, 0.3381



8.5417, 0.5638, 0.3906



0.1965, 0.4953, 0.4450

Inverse Universe

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



17.8033, 0.2378, 0.2684



27.6950, 0.2224, 0.2512



10.3135, 0.2234, 0.1915



6.6038, 0.2989, 0.3197



8.0974, 0.1869, 0.1928



0.1923, 0.2049, 0.2576

Previews

White Background



This preview shows how the Yxy color 18.0333, 0.4192, 0.3810 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 18.0333, 0.4192, 0.3810 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 18.0333, 0.4192, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 18.0333, 0.4192, 0.3810.



This preview shows how white text looks on a background with the Yxy color 18.0333, 0.4192, 0.3810.

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

18.0333, 0.4192, 0.3810

Protanopia

18.1401, 0.3715, 0.3995

Deuteranopia

18.0828, 0.4009, 0.3948



Tritanopia

18.1162, 0.3774, 0.3176

Trichromacy



Original Color

18.0333, 0.4192, 0.3810

Protanomaly

17.9322, 0.3880, 0.3913

Deuteranomaly

18.0017, 0.4082, 0.3900

Tritanomaly

17.9726, 0.3931, 0.3393

Monochromacy



Original Color

18.0333, 0.4192, 0.3810

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.8392, 0.3495, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0333, 0.4192, 0.3810 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, 108, 77)` looks like.

```
.text, #text, p{  
    color:rgb(153, 108, 77)  
}
```

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, 108, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 108, 77) }
```

Border

The CSS property to change the border of an element to Yxy 18.0333, 0.4192, 0.3810 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, 108, 77) }
```

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

```
.border{ border-color:rgb(153, 108, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 108, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 108, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 108, 77);  
box-shadow:4px 4px 4px 4px rgb(153, 108,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0333, 0.4192, 0.3810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 108, 77) }
```

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

```
.background{ background-color: rgb(153,  
108, 77) }
```

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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