

Converting Colors

$Y_{xy}(18.0248, 0.4310, 0.3931)$

Have a look what the booklet for
Yxy(18.0248, 0.4310, 0.3931)
contains.

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Color

Yxy(18.0248, 0.4310, 0.3931)

Conversions

Conversions Part 1

Format	Color
Hex	9A6C45
RGB	154, 108, 69
RGB Percent	60%, 42%, 27%
CMY	0.3961, 0.5764, 0.7295
CMYK	0.00, 0.30, 0.55, 0.40
HSL	28°, 38%, 44%
HSV	28°, 55%, 60%
XYZ	19.7626, 18.0248, 8.0655
YIQ	117.3080, 39.9350, -2.3770

Conversions

Conversions Part 2

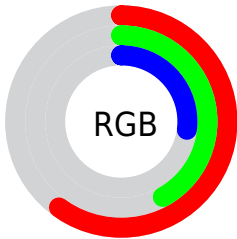
Format	Color
RYB	154, 141, 69
Decimal	10120261
CIELab	49.53, 13.77, 28.98
CIELCh	50, 32.087, 64.580
Yxy	18.0248, 0.4310, 0.3931
Android (android.graphics.Color)	4288310341 (0xFF9A6C45)
YUV	117.3080, -23.8158, 32.1789
Hunter-Lab	42.4556, 8.7925, 18.4553

Details

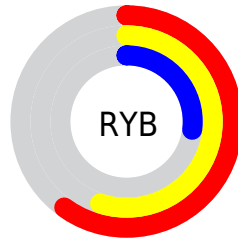
The Yxy color **18.0248, 0.4310, 0.3931** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8548, 0.2283, 0.2511**, and the grayscale version is **17.9559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2985, 0.4041, 0.3814**, and **6.0070, 0.4788, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **16.1843, 0.4595, 0.4018**, and if you desaturate by 10%, it is **20.0847, 0.4040, 0.3823**.

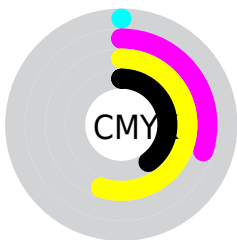
Distribution



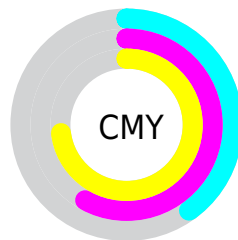
- Red (60%)
- Green (42%)
- Blue (27%)



- Red (60%)
- Yellow (55%)
- Blue (27%)



- Cyan (0%)
- Magenta (30%)
- Yellow (55%)
- Black (40%)





- Cyan (40%)
- Magenta (58%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0248, 0.4310, 0.3931 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 18.0248, 0.4310, 0.3931 by changing the saturation by 10% instead.


 18.0248, 0.4310,
0.3931


 18.0248, 0.4310,
0.3931


241.0108, 0.3630,
0.3593


 10.9678, 0.4509,
0.4011


 40.0796, 0.4041,
0.3808

 6.0452, 0.4778,
0.4101

 55.8461, 0.3946,
0.3762

 2.8726, 0.5249,
0.4265

 75.2847, 0.3869,
0.3722

 1.0656, 0.5752,
0.4248

 98.7796, 0.3805,
0.3689

 0.0000, 1.0000,
0.0000

 126.7153, 0.3751,
0.3660

 0.0000, 0.0000,
0.0000

159.4761, 0.3705,

0.3635

197.4465, 0.3665,
0.3613

■ 18.0248, 0.4310,
0.3931

■ 18.0248, 0.4310,
0.3931

■ 16.1843, 0.4595,
0.4018

■ 20.0847, 0.4040,
0.3823

■ 14.5518, 0.4882,
0.4072

■ 22.3694, 0.3793,
0.3704

■ 13.1190, 0.5155,
0.4081

■ 24.8872, 0.3572,
0.3582

■ 11.8748, 0.5394,
0.4038

■ 27.6453, 0.3377,
0.3462

■ 11.3360, 0.5505,
0.4011

■ 30.6504, 0.3207,
0.3347

■ 33.9090, 0.3059,
0.3239

■ 37.4273, 0.2930,
0.3139

■ 41.2112, 0.2819,
0.3047

■ 45.2667, 0.2722,
0.2962

Harmonies

Analogous

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



18.0248, 0.4307, 0.3466



18.0248, 0.4310, 0.3931



18.0248, 0.3976, 0.4299

Triad

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



18.0248, 0.4310, 0.3931



18.0248, 0.2344, 0.3537



18.0248, 0.2735, 0.2386

Complementary

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



18.0248, 0.4310, 0.3931



15.8548, 0.2283, 0.2511

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.



18.0248, 0.2283, 0.2338



18.0248, 0.4310, 0.3931



18.0248, 0.2074, 0.2930

Square

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



18.0248, 0.4310, 0.3931



18.0248, 0.2834, 0.4125



18.0248, 0.2056, 0.2514



18.0248, 0.3343, 0.2624

Rectangle

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



18.0248, 0.4310, 0.3931



18.0248, 0.3627, 0.4413



18.0248, 0.2056, 0.2514



18.0248, 0.2562, 0.2347

Sweetspot

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



18.0257, 0.4310, 0.3931



49.1123, 0.3417, 0.3487



12.3796, 0.3808, 0.2535



10.9038, 0.3452, 0.3509



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.0257, 0.4310, 0.3931



28.7405, 0.4656, 0.4032



29.0317, 0.3936, 0.4522



6.6664, 0.3272, 0.3392



9.3060, 0.5492, 0.4021



0.2107, 0.4853, 0.4528

Inverse Universe

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



15.8548, 0.2283, 0.2511



24.3658, 0.2121, 0.2301



8.3942, 0.2107, 0.1655



6.5521, 0.2989, 0.3185



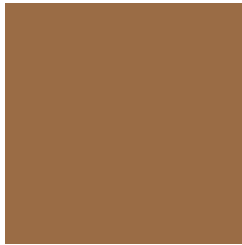
7.0530, 0.1820, 0.1752



0.1782, 0.2018, 0.2464

Previews

White Background



This preview shows how the Yxy color 18.0248, 0.4310, 0.3931 looks on a white background.

Color Contrast Check

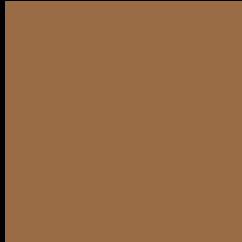
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0248, 0.4310, 0.3931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

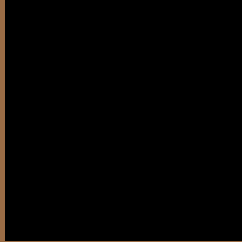
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0248, 0.4310, 0.3931

Background



This preview shows how black text looks on a background with the Yxy color 18.0248, 0.4310, 0.3931.



This preview shows how white text looks on a background with the Yxy color 18.0248, 0.4310, 0.3931.

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

18.0248, 0.4310, 0.3931

Protanopia

18.1050, 0.3825, 0.4138

Deuteranopia

18.1569, 0.4136, 0.4070



Tritanopia

18.0163, 0.3793, 0.3160

Trichromacy



Original Color

18.0248, 0.4310, 0.3931

Protanomaly

17.9058, 0.3995, 0.4048

Deuteranomaly

18.0821, 0.4211, 0.4020

Tritanomaly

18.0156, 0.3989, 0.3443

Monochromacy



Original Color

18.0248, 0.4310, 0.3931

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.7006, 0.3521, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0248, 0.4310, 0.3931 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(154, 108, 69)` looks like.

```
.text, #text, p{  
    color:rgb(154, 108, 69)  
}
```

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(154, 108, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 108, 69) }
```

Border

The CSS property to change the border of an element to Yxy 18.0248, 0.4310, 0.3931 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(154, 108, 69) }
```

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

```
.border{ border-color:rgb(154, 108, 69) }
```

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

Here you see how a box with a 4 pixel rgb(154, 108, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 108, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 108, 69);  
box-shadow:4px 4px 4px 4px rgb(154, 108,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0248, 0.4310, 0.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 108, 69) }
```

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

```
.background{ background-color: rgb(154,  
108, 69) }
```

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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