

Converting Colors

$Y_{xy}(18.0409, 0.4679, 0.4442)$

Have a look what the booklet for
Yxy(18.0409, 0.4679, 0.4442)
contains.

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Color

Yxy(18.0080, 0.4671, 0.4446)

Conversions

Conversions Part 1

Format	Color
Hex	996E1C
RGB	153, 110, 28
RGB Percent	60%, 43%, 11%
CMY	0.4001, 0.5686, 0.8902
CMYK	0.00, 0.28, 0.82, 0.40
HSL	39°, 69%, 35%
HSV	39°, 82%, 60%
XYZ	18.9193, 18.0080, 3.5765
YIQ	113.5090, 51.9500, -16.3860

Conversions

Conversions Part 2

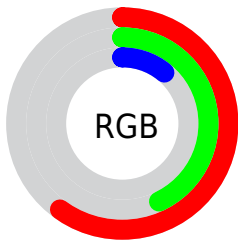
Format	Color
R_{YB}	94, 153, 28
Decimal	10055196
CIE _{Lab}	49.51, 9.59, 48.89
CIE _{LCh}	50, 49.821, 78.906
Yxy	18.0080, 0.4671, 0.4446
Android (android.graphics.Color)	4288245276 (0xFF996E1C)
YUV	113.5090, -42.1559, 34.6336
Hunter-Lab	42.4358, 5.3187, 24.7081

Details

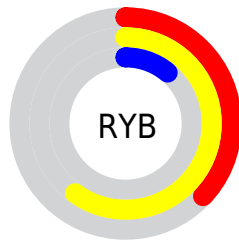
The Yxy color **18.0080, 0.4671, 0.4446** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.0465, 0.1820, 0.1513**, and the grayscale version is **16.7893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9031, 0.4370, 0.4251**, and **6.1517, 0.4940, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **16.8519, 0.4830, 0.4465**, and if you desaturate by 10%, it is **19.2705, 0.4486, 0.4380**.

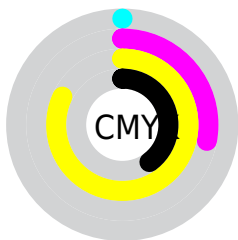
Distribution



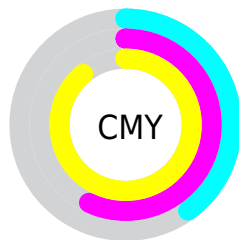
- Red (60%)
- Green (43%)
- Blue (11%)



- Red (37%)
- Yellow (60%)
- Blue (11%)



- Cyan (0%)
- Magenta (28%)
- Yellow (82%)
- Black (40%)




- Cyan (40%)
- Magenta (57%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0080, 0.4671, 0.4446 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 18.0080, 0.4671, 0.4446 by changing the saturation by 10% instead.


 18.0080, 0.4671,
0.4446


 18.0080, 0.4671,
0.4446


240.9161, 0.3834,
0.3865


 10.9557, 0.4868,
0.4552


 40.0510, 0.4365,
0.4252


 6.0371, 0.5174,
0.4718

 55.8104, 0.4249,
0.4172


 2.8676, 0.5328,
0.4672

 75.2411, 0.4151,
0.4102

 1.0630, 0.5498,
0.4502

 98.7274, 0.4068,
0.4042

 0.0000, 1.0000,
0.0000

 126.6536, 0.3997,
0.3989

 0.0000, 0.0000,
0.0000

 159.4042, 0.3935,

0.3943

■ 197.3636, 0.3881,
0.3902

■ 18.0080, 0.4671,
0.4446

■ 18.0080, 0.4671,
0.4446

■ 16.8519, 0.4830,
0.4465

■ 19.2705, 0.4486,
0.4380

■ 15.9601, 0.4947,
0.4454

■ 20.6428, 0.4283,
0.4273

■ 22.1311, 0.4074,
0.4136

■ 23.7401, 0.3866,
0.3979

■ 25.4744, 0.3667,
0.3812

■ 27.3378, 0.3480,
0.3642

■ 29.3343, 0.3308,
0.3476

■ 31.4676, 0.3152,
0.3316

■ 33.7409, 0.3012,
0.3166

Harmonies

Analogous

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



18.0080, 0.4995, 0.3781



18.0080, 0.4671, 0.4446



18.0080, 0.3959, 0.4970

Triad

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



18.0080, 0.4671, 0.4446



18.0080, 0.1731, 0.3149



18.0080, 0.2929, 0.2119

Complementary

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



18.0080, 0.4671, 0.4446



7.0465, 0.1820, 0.1513

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.



18.0080, 0.2150, 0.1915



18.0080, 0.4671, 0.4446



18.0080, 0.1551, 0.2363

Square

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



18.0080, 0.4671, 0.4446



18.0080, 0.2265, 0.4216



18.0080, 0.1693, 0.1976



18.0080, 0.3910, 0.2548

Rectangle

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



18.0080, 0.4671, 0.4446



18.0080, 0.3381, 0.5059



18.0080, 0.1693, 0.1976



18.0080, 0.2636, 0.2024

Sweetspot

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



18.0089, 0.4671, 0.4446



47.6810, 0.3549, 0.3707



8.0647, 0.4962, 0.2721



10.2926, 0.3609, 0.3761



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.



18.0089, 0.4671, 0.4446



28.6116, 0.4939, 0.4446



27.9465, 0.3919, 0.5102



6.8651, 0.3268, 0.3436



13.2584, 0.4940, 0.4459



0.2653, 0.4550, 0.4769

Inverse Universe

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



7.0465, 0.1820, 0.1513



8.6487, 0.1653, 0.1135



3.7273, 0.1764, 0.0898



6.3562, 0.2988, 0.3140



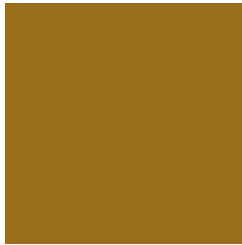
4.0320, 0.1651, 0.1145



0.1236, 0.1876, 0.1955

Previews

White Background



This preview shows how the Yxy color 18.0080, 0.4671, 0.4446 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 18.0080, 0.4671, 0.4446 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 18.0080, 0.4671, 0.4446

Background



This preview shows how black text looks on a background with the Yxy color 18.0080, 0.4671, 0.4446.



This preview shows how white text looks on a background with the Yxy color 18.0080, 0.4671, 0.4446.

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

18.0080, 0.4671, 0.4446

Protanopia

18.0371, 0.4282, 0.4713

Deuteranopia

18.0570, 0.4597, 0.4515



Tritanopia

18.0954, 0.3821, 0.3177

Trichromacy



Original Color

18.0080, 0.4671, 0.4446

Protanomaly

17.9256, 0.4423, 0.4619

Deuteranomaly

17.9320, 0.4625, 0.4492

Tritanomaly

17.9552, 0.4210, 0.3721

Monochromacy



Original Color

18.0080, 0.4671, 0.4446

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.0240, 0.3720, 0.3869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0080, 0.4671, 0.4446 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, 110, 28)` looks like.

```
.text, #text, p{  
    color:rgb(153, 110, 28)  
}
```

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, 110, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 110, 28) }
```

Border

The CSS property to change the border of an element to Yxy 18.0080, 0.4671, 0.4446 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, 110, 28) }
```

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

```
.border{ border-color:rgb(153, 110, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 110, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 110, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 110, 28);  
box-shadow:4px 4px 4px 4px rgb(153, 110,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0080, 0.4671, 0.4446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 110, 28) }
```

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

```
.background{ background-color: rgb(153,  
110, 28) }
```

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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