

Converting Colors

$Y_{xy}(19.5680, 0.4971, 0.4435)$

Have a look what the booklet for
Yxy(19.5680, 0.4971, 0.4435)
contains.

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Color

Yxy(19.5869, 0.4969, 0.4437)

Conversions

Conversions Part 1

Format	Color
Hex	A96E00
RGB	169, 110, 0
RGB Percent	66%, 43%, 0%
CMY	0.3373, 0.5686, 1.0000
CMYK	0.00, 0.35, 1.00, 0.34
HSL	39°, 100%, 33%
HSV	39°, 100%, 66%
XYZ	21.9354, 19.5869, 2.6222
YIQ	115.1010, 70.4740, -21.7020

Conversions

Conversions Part 2

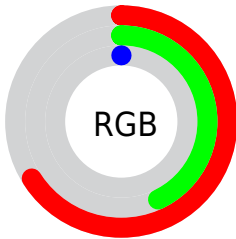
Format	Color
R_{YB}	91, 169, 0
Decimal	11103744
CIE Lab	51.37, 16.32, 58.39
CIE LCh	51, 60.631, 74.386
Yxy	19.5869, 0.4969, 0.4437
Android (android.graphics.Color)	4289293824 (0xFFA96E00)
YUV	115.1010, -56.7448, 47.2694
Hunter-Lab	44.2571, 11.0210, 27.4671

Details

The Yxy color **19.5869, 0.4969, 0.4437** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9889, 0.1648, 0.1131**, and the grayscale version is **17.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8688, 0.4629, 0.4299**, and **6.8248, 0.5179, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **19.5881, 0.4969, 0.4437**, and if you desaturate by 10%, it is **20.9436, 0.4827, 0.4455**.

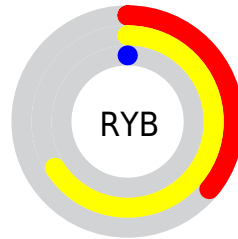
Distribution



Red (66%)

Green (43%)

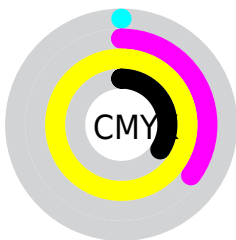
Blue (0%)



Red (36%)

Yellow (66%)

Blue (0%)

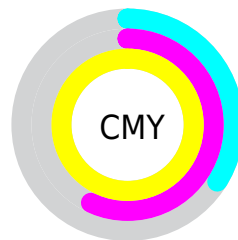


Cyan (0%)

Magenta (35%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5869, 0.4969, 0.4437 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 19.5869, 0.4969, 0.4437 by changing the saturation by 10% instead.


 19.5869, 0.4969,
0.4437


 19.5869, 0.4969,
0.4437


249.6699, 0.4008,
0.3926


 12.0951, 0.5172,
0.4492


 42.7235, 0.4634,
0.4293

 6.8085, 0.5449,
0.4551


 59.1371, 0.4501,
0.4223


 3.3426, 0.5594,
0.4406

 79.2934, 0.4387,
0.4160

 1.3131, 0.5837,
0.4163

 103.5769, 0.4289,
0.4103

 0.1513, 0.7818,
0.2182


 132.3719, 0.4204,
0.4051

 0.0000, 0.0000,
0.0000


 166.0628, 0.4130,


0.4005


 205.0340, 0.4065,
0.3963


 19.5869, 0.4969,
0.4437


 19.5869, 0.4969,
0.4437

 19.5881, 0.4969,
0.4437

 20.9436, 0.4827,
0.4455

 22.4195, 0.4662,
0.4432

 24.0311, 0.4470,
0.4361

 25.7860, 0.4263,
0.4251

 27.6912, 0.4050,
0.4110

■ 29.7526, 0.3840,
0.3951

■ 31.9759, 0.3640,
0.3783

■ 34.3662, 0.3453,
0.3614

■ 36.9285, 0.3282,
0.3448

Harmonies

Analogous

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



19.5869, 0.5301, 0.3675



19.5869, 0.4969, 0.4437



19.5869, 0.4172, 0.5150

Triad

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



19.5869, 0.4969, 0.4437



19.5869, 0.1581, 0.3276



19.5869, 0.2726, 0.1905

Complementary

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



19.5869, 0.4969, 0.4437



5.9889, 0.1648, 0.1131

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.



19.5869, 0.1900, 0.1717



19.5869, 0.4969, 0.4437



19.5869, 0.1344, 0.2296

Square

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



19.5869, 0.4969, 0.4437



19.5869, 0.2227, 0.4596



19.5869, 0.1454, 0.1820



19.5869, 0.3864, 0.2346

Rectangle

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



19.5869, 0.4969, 0.4437



19.5869, 0.3520, 0.5396



19.5869, 0.1454, 0.1820



19.5869, 0.2407, 0.1813

Sweetspot

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



19.5881, 0.4969, 0.4437



57.0574, 0.3650, 0.3793



8.7506, 0.5561, 0.2837



12.0799, 0.3730, 0.3861



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.



19.5881, 0.4969, 0.4437



34.6827, 0.4986, 0.4423



34.2668, 0.3933, 0.5259



8.3265, 0.3270, 0.3437



14.7048, 0.4958, 0.4445



0.4480, 0.4650, 0.4690

Inverse Universe

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



5.9889, 0.1648, 0.1131



10.3725, 0.1639, 0.1101



3.0751, 0.1565, 0.0636



7.7128, 0.2986, 0.3139



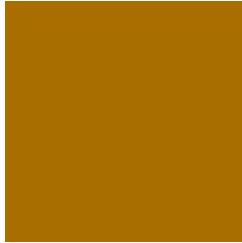
4.5565, 0.1653, 0.1150



0.2065, 0.1844, 0.1838

Previews

White Background



This preview shows how the Yxy color 19.5869, 0.4969, 0.4437 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 19.5869, 0.4969, 0.4437 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 19.5869, 0.4969, 0.4437

Background



This preview shows how black text looks on a background with the Yxy color 19.5869, 0.4969, 0.4437.



This preview shows how white text looks on a background with the Yxy color 19.5869, 0.4969, 0.4437.

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

19.5869, 0.4969, 0.4437

Protanopia

19.6814, 0.4374, 0.4837

Deuteranopia

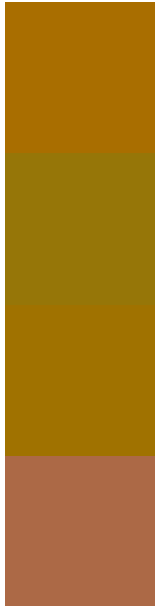
19.6911, 0.4697, 0.4653



Tritanopia

19.5128, 0.4031, 0.3172

Trichromacy



Original Color

19.5869, 0.4969, 0.4437

Protanomaly

19.4584, 0.4598, 0.4685

Deuteranomaly

19.5082, 0.4804, 0.4568

Tritanomaly

19.3160, 0.4562, 0.3803

Monochromacy



Original Color

19.5869, 0.4969, 0.4437

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4422, 0.3948, 0.4027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5869, 0.4969, 0.4437 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(169, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 110, 0)  
}
```

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(169, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.5869, 0.4969, 0.4437 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(169, 110, 0) }
```

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

```
.border{ border-color:rgb(169, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5869, 0.4969, 0.4437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 110, 0) }
```

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

```
.background{ background-color: rgb(169,  
110, 0) }
```

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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