

Converting Colors

$Yxy(19.8237, 0.4987, 0.4422)$

Have a look what the booklet for
Yxy(19.8237, 0.4987, 0.4422)
contains.

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Color

Yxy(19.8098, 0.4991, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	AB6E00
RGB	171, 110, 0
RGB Percent	67%, 43%, 0%
CMY	0.3293, 0.5687, 0.9999
CMYK	0.00, 0.36, 1.00, 0.33
HSL	39°, 100%, 34%
HSV	39°, 100%, 67%
XYZ	22.3740, 19.8098, 2.6449
YIQ	115.6990, 71.6660, -21.2780

Conversions

Conversions Part 2

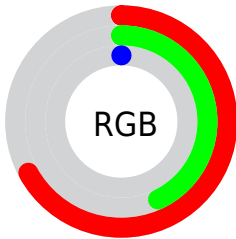
Format	Color
RYB	95, 171, 0
Decimal	11234816
CIELab	51.62, 17.25, 58.67
CIELCh	52, 61.151, 73.612
Yxy	19.8098, 0.4991, 0.4419
Android (android.graphics.Color)	4289424896 (0xFFAB6E00)
YUV	115.6990, -57.0396, 48.4990
Hunter-Lab	44.5082, 11.8415, 27.6324

Details

The Yxy color **19.8098, 0.4991, 0.4419** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.2839, 0.1653, 0.1151**, and the grayscale version is **17.5309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1998, 0.4646, 0.4289**, and **6.9560, 0.5209, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **19.8090, 0.4991, 0.4419**, and if you desaturate by 10%, it is **21.2143, 0.4847, 0.4440**.

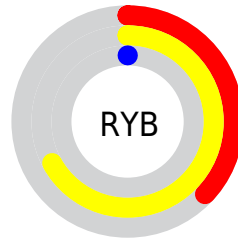
Distribution



Red (67%)

Green (43%)

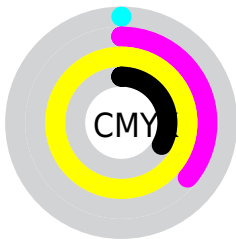
Blue (0%)



Red (37%)

Yellow (67%)

Blue (0%)

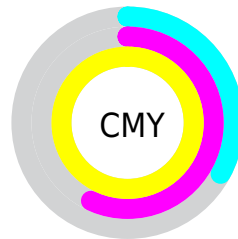


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8098, 0.4991, 0.4419 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 19.8098, 0.4991, 0.4419 by changing the saturation by 10% instead.


 19.8098, 0.4991,
0.4419


 19.8098, 0.4991,
0.4419


250.8836, 0.4019,
0.3922


 12.2569, 0.5197,
0.4470


 43.0981, 0.4652,
0.4281


 6.9189, 0.5477,
0.4523


 59.6022, 0.4518,
0.4214

 3.4114, 0.5628,
0.4372

 79.8588, 0.4403,
0.4152

 1.3501, 0.5879,
0.4121

 104.2524, 0.4304,
0.4095


 0.1795, 0.7673,
0.2327


 133.1672, 0.4218,
0.4045


 0.0000, 0.0000,
0.0000


 166.9878, 0.4143,


0.4000

 206.0984, 0.4077,
0.3959

 19.8098, 0.4991,
0.4419


 19.8098, 0.4991,
0.4419


 19.8090, 0.4991,
0.4419

 21.2143, 0.4847,
0.4440

 22.7455, 0.4677,
0.4419

 24.4200, 0.4482,
0.4350

 26.2460, 0.4271,
0.4240

 28.2305, 0.4056,
0.4102

■ 30.3800, 0.3843,
0.3944

■ 32.7002, 0.3641,
0.3778

■ 35.1967, 0.3454,
0.3610

■ 37.8746, 0.3282,
0.3446

Harmonies

Analogous

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



19.8098, 0.5310, 0.3655



19.8098, 0.4991, 0.4419



19.8098, 0.4198, 0.5142

Triad

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



19.8098, 0.4991, 0.4419



19.8098, 0.1586, 0.3308



19.8098, 0.2697, 0.1892

Complementary

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



19.8098, 0.4991, 0.4419



6.2839, 0.1653, 0.1151

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.



19.8098, 0.1879, 0.1711



19.8098, 0.4991, 0.4419



19.8098, 0.1339, 0.2310

Square

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



19.8098, 0.4991, 0.4419



19.8098, 0.2245, 0.4634



19.8098, 0.1442, 0.1822



19.8098, 0.3836, 0.2328

Rectangle

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



19.8098, 0.4991, 0.4419



19.8098, 0.3546, 0.5403



19.8098, 0.1442, 0.1822



19.8098, 0.2381, 0.1801

Sweetspot

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



19.8108, 0.4991, 0.4419



58.3152, 0.3652, 0.3787



9.0165, 0.5498, 0.2802



12.6184, 0.3734, 0.3856



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



19.8108, 0.4991, 0.4419



35.0534, 0.5008, 0.4405



35.4501, 0.3962, 0.5236



8.8419, 0.3271, 0.3436



15.0313, 0.4981, 0.4427



0.5165, 0.4688, 0.4659

Inverse Universe

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



6.2839, 0.1653, 0.1151



10.8831, 0.1645, 0.1121



3.1216, 0.1554, 0.0630



8.2075, 0.2986, 0.3140



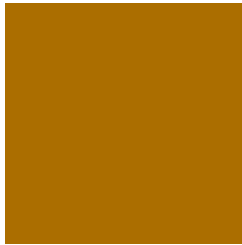
4.8264, 0.1658, 0.1169



0.2395, 0.1836, 0.1809

Previews

White Background



This preview shows how the Yxy color 19.8098, 0.4991, 0.4419 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 19.8098, 0.4991, 0.4419 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 19.8098, 0.4991, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 19.8098, 0.4991, 0.4419.



This preview shows how white text looks on a background with the Yxy color 19.8098, 0.4991, 0.4419.

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

19.8098, 0.4991, 0.4419

Protanopia

19.9308, 0.4360, 0.4849

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.7425, 0.4057, 0.3173

Trichromacy



Original Color

19.8098, 0.4991, 0.4419

Protanomaly

19.7905, 0.4596, 0.4687

Deuteranomaly

19.6117, 0.4815, 0.4559

Tritanomaly

19.5440, 0.4587, 0.3797

Monochromacy



Original Color

19.8098, 0.4991, 0.4419

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7633, 0.3942, 0.4023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8098, 0.4991, 0.4419 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(171, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8098, 0.4991, 0.4419 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(171, 110, 0) }
```

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

```
.border{ border-color:rgb(171, 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(171, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8098, 0.4991, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 110, 0) }
```

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

```
.background{ background-color: rgb(171,  
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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