

Converting Colors

$Yxy(19.9943, 0.4926, 0.4471)$

Have a look what the booklet for
Yxy(19.9943, 0.4926, 0.4471)
contains.

Yxy(19.9132, 0.4926, 0.4471)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.9132, 0.4926, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	A87000
RGB	168, 112, 0
RGB Percent	66%, 44%, 0%
CMY	0.3412, 0.5607, 1.0000
CMYK	0.00, 0.33, 1.00, 0.34
HSL	40°, 100%, 33%
HSV	40°, 100%, 66%
XYZ	21.9397, 19.9132, 2.6857
YIQ	115.9760, 69.3280, -22.9600

Conversions

Conversions Part 2

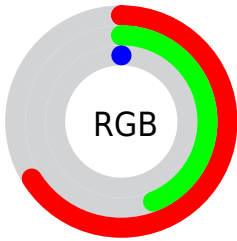
Format	Color
R_{YB}	84, 168, 0
Decimal	11038720
CIE _{Lab}	51.74, 14.74, 58.57
CIE _{LCh}	52, 60.398, 75.878
Yxy	19.9132, 0.4926, 0.4471
Android (android.graphics.Color)	4289228800 (0xFFA87000)
YUV	115.9760, -57.1762, 45.6250
Hunter-Lab	44.6242, 9.6680, 27.6686

Details

The Yxy color **19.9132, 0.4926, 0.4471** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6518, 0.1636, 0.1091**, and the grayscale version is **17.6208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4266, 0.4595, 0.4317**, and **6.9818, 0.5114, 0.4321** is the 20% darker color. If you saturate the color by 10%, you get **19.9143, 0.4926, 0.4471**, and if you desaturate by 10%, it is **21.2281, 0.4791, 0.4485**.

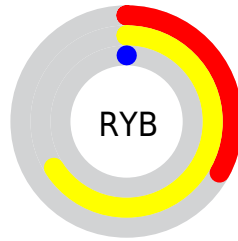
Distribution



Red (66%)

Green (44%)

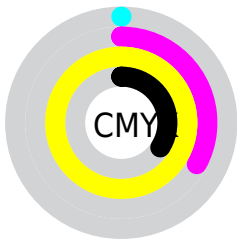
Blue (0%)



Red (33%)

Yellow (66%)

Blue (0%)

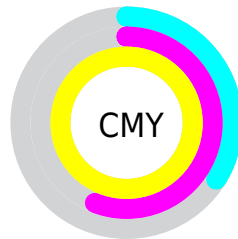


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (56%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9132, 0.4926, 0.4471 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 19.9132, 0.4926, 0.4471 by changing the saturation by 10% instead.


 19.9132, 0.4926,
0.4471


 19.9132, 0.4926,
0.4471


251.4448, 0.3991,
0.3938


 12.3320, 0.5121,
0.4534


 43.2716, 0.4602,
0.4317


 6.9702, 0.5391,
0.4609


 59.8176, 0.4472,
0.4244


 3.4435, 0.5521,
0.4479

 80.1206, 0.4362,
0.4178

 1.3674, 0.5739,
0.4261

 104.5650, 0.4266,
0.4119

 0.1925, 0.7382,
0.2618


 133.5352, 0.4183,
0.4066


 0.0000, 0.0000,
0.0000


 167.4157, 0.4111,

0.4018

 206.5908, 0.4047,
0.3976


 19.9132, 0.4926,
0.4471


 19.9132, 0.4926,
0.4471


 19.9143, 0.4926,
0.4471

 21.2281, 0.4791,
0.4485

 22.6536, 0.4633,
0.4459

 24.2057, 0.4448,
0.4385

 25.8918, 0.4247,
0.4271

 27.7185, 0.4039,
0.4128

■ 29.6915, 0.3833,
0.3966

■ 31.8162, 0.3636,
0.3794

■ 34.0974, 0.3451,
0.3621

■ 36.5400, 0.3281,
0.3452

Harmonies

Analogous

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



19.9132, 0.5283, 0.3712



19.9132, 0.4926, 0.4471



19.9132, 0.4122, 0.5165

Triad

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



19.9132, 0.4926, 0.4471



19.9132, 0.1572, 0.3218



19.9132, 0.2780, 0.1931

Complementary

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



19.9132, 0.4926, 0.4471



5.6518, 0.1636, 0.1091

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.



19.9132, 0.1941, 0.1731



19.9132, 0.4926, 0.4471



19.9132, 0.1354, 0.2271

Square

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



19.9132, 0.4926, 0.4471



19.9132, 0.2195, 0.4521



19.9132, 0.1480, 0.1818



19.9132, 0.3916, 0.2381

Rectangle

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



19.9132, 0.4926, 0.4471



19.9132, 0.3471, 0.5381



19.9132, 0.1480, 0.1818



19.9132, 0.2458, 0.1835

Sweetspot

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



19.9143, 0.4926, 0.4471



57.5288, 0.3647, 0.3804



8.6084, 0.5623, 0.2871



12.1939, 0.3725, 0.3874



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.



19.9143, 0.4926, 0.4471



35.7365, 0.4942, 0.4458



33.5729, 0.3904, 0.5282



8.3463, 0.3270, 0.3440



15.1389, 0.4917, 0.4478



0.4565, 0.4626, 0.4709

Inverse Universe

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



5.6518, 0.1636, 0.1091



9.9041, 0.1628, 0.1060



3.0733, 0.1577, 0.0642



7.6938, 0.2986, 0.3135



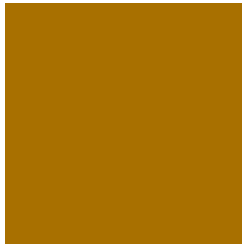
4.3548, 0.1641, 0.1109



0.1995, 0.1832, 0.1795

Previews

White Background



This preview shows how the Yxy color 19.9132, 0.4926, 0.4471 looks on a white background.

Color Contrast Check

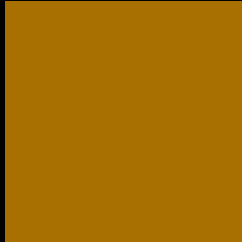
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9132, 0.4926, 0.4471 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 19.9132, 0.4926, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 19.9132, 0.4926, 0.4471.



This preview shows how white text looks on a background with the Yxy color 19.9132, 0.4926, 0.4471.

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

19.9132, 0.4926, 0.4471

Protanopia

20.0149, 0.4376, 0.4843

Deuteranopia

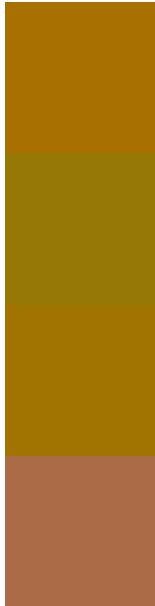
19.8907, 0.4721, 0.4634



Tritanopia

19.9547, 0.3990, 0.3171

Trichromacy



Original Color

19.9132, 0.4926, 0.4471

Protanomaly

19.9323, 0.4571, 0.4713

Deuteranomaly

19.8385, 0.4799, 0.4571

Tritanomaly

19.6282, 0.4516, 0.3823

Monochromacy



Original Color

19.9132, 0.4926, 0.4471

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9068, 0.3920, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9132, 0.4926, 0.4471 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(168, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 112, 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(168, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.9132, 0.4926, 0.4471 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(168, 112, 0) }
```

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

```
.border{ border-color:rgb(168, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9132, 0.4926, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 112, 0) }
```

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

```
.background{ background-color: rgb(168,  
112, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor