

Converting Colors

$Y_{xy}(19.9028, 0.4915, 0.4106)$

Have a look what the booklet for
Yxy(19.9028, 0.4915, 0.4106)
contains.

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Color

Yxy(19.9402, 0.4919, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	B26A2A
RGB	178, 106, 42
RGB Percent	70%, 42%, 16%
CMY	0.3020, 0.5843, 0.8353
CMYK	0.00, 0.40, 0.76, 0.30
HSL	28°, 62%, 43%
HSV	28°, 76%, 70%
XYZ	23.9292, 19.9402, 4.7771
YIQ	120.2320, 63.4560, -4.6400

Conversions

Conversions Part 2

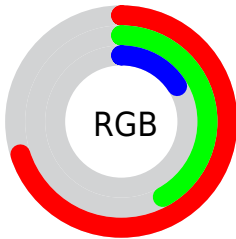
Format	Color
RYB	178, 163, 42
Decimal	11692586
CIELab	51.77, 23.61, 46.30
CIELCh	52, 51.976, 62.985
Yxy	19.9402, 0.4919, 0.4099
Android (android.graphics.Color)	4289882666 (0xFFB26A2A)
YUV	120.2320, -38.5684, 50.6625
Hunter-Lab	44.6545, 17.5084, 24.9153

Details

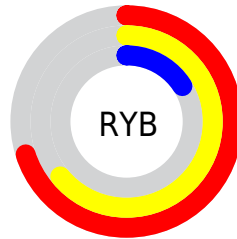
The Yxy color **19.9402, 0.4919, 0.4099** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.7314, 0.1998, 0.2095**, and the grayscale version is **18.9719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3862, 0.4554, 0.4001**, and **7.0192, 0.5400, 0.4094** is the 20% darker color. If you saturate the color by 10%, you get **18.0046, 0.5183, 0.4100**, and if you desaturate by 10%, it is **22.1477, 0.4636, 0.4050**.

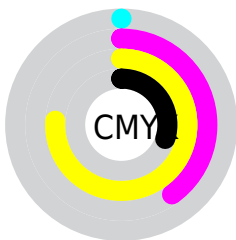
Distribution



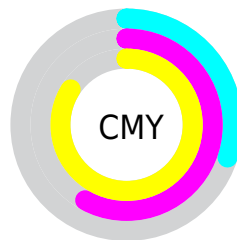
- Red (70%)
- Green (42%)
- Blue (16%)



- Red (70%)
- Yellow (64%)
- Blue (16%)



- Cyan (0%)
- Magenta (40%)
- Yellow (76%)
- Black (30%)





- Cyan (30%)
- Magenta (58%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9402, 0.4919, 0.4099 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 19.9402, 0.4919, 0.4099 by changing the saturation by 10% instead.


 19.9402, 0.4919,
0.4099


 19.9402, 0.4919,
0.4099


251.5912, 0.3936,
0.3738


 12.3516, 0.5167,
0.4142


 43.3169, 0.4552,
0.3994


 6.9836, 0.5482,
0.4165


 59.8738, 0.4416,
0.3945


 3.4518, 0.5879,
0.4121

 80.1889, 0.4302,
0.3901

 1.3719, 0.6199,
0.3801

 104.6465, 0.4206,
0.3861

 0.1959, 0.7956,
0.2044

 133.6312, 0.4123,
0.3825

 0.0000, 0.0000,
0.0000

 167.5273, 0.4052,

0.3793

206.7192, 0.3990,
0.3764

■ 19.9402, 0.4919,
0.4099

■ 19.9402, 0.4919,
0.4099

■ 18.0046, 0.5183,
0.4100

■ 22.1477, 0.4636,
0.4050

■ 16.3221, 0.5410,
0.4048

■ 24.6372, 0.4351,
0.3965

■ 15.7715, 0.5488,
0.4024

■ 27.4218, 0.4079,
0.3856

■ 30.5125, 0.3828,
0.3734

■ 33.9199, 0.3602,
0.3608

■ 37.6536, 0.3402,
0.3483

■ 41.7230, 0.3227,
0.3363

■ 46.1371, 0.3075,
0.3250

■ 50.9043, 0.2943,
0.3146

Harmonies

Analogous

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



19.9402, 0.4947, 0.3429



19.9402, 0.4919, 0.4099



19.9402, 0.4378, 0.4737

Triad

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



19.9402, 0.4919, 0.4099



19.9402, 0.1961, 0.3711



19.9402, 0.2472, 0.1971

Complementary

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



19.9402, 0.4919, 0.4099



15.7314, 0.1998, 0.2095

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.



19.9402, 0.1859, 0.1902



19.9402, 0.4919, 0.4099



19.9402, 0.1594, 0.2723

Square

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



19.9402, 0.4919, 0.4099



19.9402, 0.2672, 0.4718



19.9402, 0.1570, 0.2127



19.9402, 0.3383, 0.2289

Rectangle

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



19.9402, 0.4919, 0.4099



19.9402, 0.3848, 0.5025



19.9402, 0.1570, 0.2127



19.9402, 0.2231, 0.1919

Sweetspot

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



19.9412, 0.4919, 0.4099



63.4990, 0.3539, 0.3570



12.3451, 0.4289, 0.2379



13.5487, 0.3614, 0.3615



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.9412, 0.4919, 0.4099



30.4202, 0.5350, 0.4067



39.6904, 0.4145, 0.4866



9.1430, 0.3276, 0.3397



11.4110, 0.5470, 0.4039



0.4762, 0.5026, 0.4392

Inverse Universe

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



15.7314, 0.1998, 0.2095



22.3421, 0.1844, 0.1790



5.7009, 0.1711, 0.0977



8.9497, 0.2985, 0.3180



8.1802, 0.1806, 0.1700



0.3730, 0.1940, 0.2185

Previews

White Background



This preview shows how the Yxy color 19.9402, 0.4919, 0.4099 looks on a white background.

Color Contrast Check

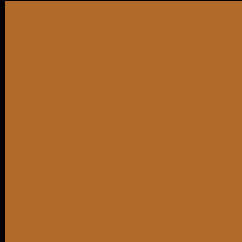
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9402, 0.4919, 0.4099 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 19.9402, 0.4919, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 19.9402, 0.4919, 0.4099.



This preview shows how white text looks on a background with the Yxy color 19.9402, 0.4919, 0.4099.

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

19.9402, 0.4919, 0.4099

Protanopia

20.0238, 0.4154, 0.4569

Deuteranopia

20.0654, 0.4517, 0.4454



Tritanopia

19.8090, 0.4199, 0.3178

Trichromacy



Original Color

19.9402, 0.4919, 0.4099

Protanomaly

19.6843, 0.4449, 0.4385

Deuteranomaly

19.9676, 0.4661, 0.4332

Tritanomaly

19.8306, 0.4516, 0.3563

Monochromacy



Original Color

19.9402, 0.4919, 0.4099

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6969, 0.3774, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9402, 0.4919, 0.4099 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(178, 106, 42)` looks like.

```
.text, #text, p{  
    color:rgb(178, 106, 42)  
}
```

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(178, 106, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 106, 42) }
```

Border

The CSS property to change the border of an element to Yxy 19.9402, 0.4919, 0.4099 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(178, 106, 42) }
```

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

```
.border{ border-color:rgb(178, 106, 42) }
```

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

Here you see how a box with a 4 pixel rgb(178, 106, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 106, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 106, 42);  
box-shadow:4px 4px 4px 4px rgb(178, 106,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9402, 0.4919, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 106, 42) }
```

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

```
.background{ background-color: rgb(178,  
106, 42) }
```

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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