

Converting Colors

$Y_{xy}(19.9393, 0.5027, 0.4391)$

Have a look what the booklet for
Yxy(19.9393, 0.5027, 0.4391)
contains.

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Color

Yxy(19.8215, 0.5028, 0.4390)

Conversions

Conversions Part 1

Format	Color
Hex	AD6D00
RGB	173, 109, 0
RGB Percent	68%, 43%, 0%
CMY	0.3216, 0.5725, 1.0000
CMYK	0.00, 0.37, 1.00, 0.32
HSL	38°, 100%, 34%
HSV	38°, 100%, 68%
XYZ	22.7022, 19.8215, 2.6278
YIQ	115.7100, 73.1330, -20.3310

Conversions

Conversions Part 2

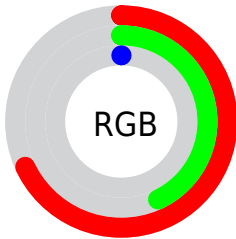
Format	Color
RYB	102, 173, 0
Decimal	11365632
CIELab	51.63, 18.70, 58.81
CIELCh	52, 61.715, 72.364
Yxy	19.8215, 0.5028, 0.4390
Android (android.graphics.Color)	4289555712 (0xFFAD6D00)
YUV	115.7100, -57.0450, 50.2433
Hunter-Lab	44.5213, 13.1077, 27.6654

Details

The Yxy color **19.8215, 0.5028, 0.4390** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6834, 0.1663, 0.1185**, and the grayscale version is **17.5335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3523, 0.4682, 0.4264**, and **6.9823, 0.5262, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **19.8226, 0.5028, 0.4390**, and if you desaturate by 10%, it is **21.2796, 0.4878, 0.4414**.

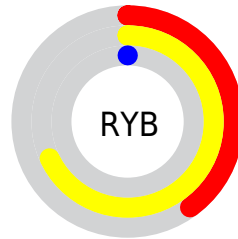
Distribution



Red (68%)

Green (43%)

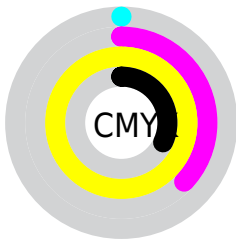
Blue (0%)



Red (40%)

Yellow (68%)

Blue (0%)

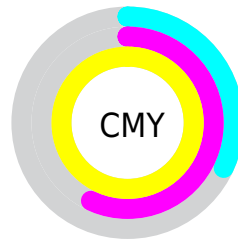


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8215, 0.5028, 0.4390 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 19.8215, 0.5028, 0.4390 by changing the saturation by 10% instead.


 19.8215, 0.5028,
0.4390


 19.8215, 0.5028,
0.4390


250.9472, 0.4036,
0.3914


 12.2654, 0.5239,
0.4433


 43.1177, 0.4682,
0.4261


 6.9247, 0.5525,
0.4475


 59.6266, 0.4545,
0.4197


 3.4150, 0.5687,
0.4313

 79.8885, 0.4427,
0.4137

 1.3521, 0.5955,
0.4045

 104.2878, 0.4326,
0.4083


 0.1810, 0.7764,
0.2236


 133.2089, 0.4238,
0.4034


 0.0000, 0.0000,
0.0000


 167.0362, 0.4162,

0.3990


 206.1542, 0.4095,
0.3950


 19.8215, 0.5028,
0.4390


 19.8215, 0.5028,
0.4390


 19.8226, 0.5028,
0.4390

 21.2796, 0.4878,
0.4414

 22.8743, 0.4703,
0.4397

 24.6229, 0.4502,
0.4330

 26.5339, 0.4286,
0.4224

 28.6148, 0.4065,
0.4087

■ 30.8725, 0.3849,
0.3933

■ 33.3131, 0.3645,
0.3769

■ 35.9424, 0.3455,
0.3604

■ 38.7659, 0.3283,
0.3444

Harmonies

Analogous

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



19.8215, 0.5326, 0.3623



19.8215, 0.5028, 0.4390



19.8215, 0.4242, 0.5129

Triad

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



19.8215, 0.5028, 0.4390



19.8215, 0.1593, 0.3359



19.8215, 0.2651, 0.1870

Complementary

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



19.8215, 0.5028, 0.4390



6.6834, 0.1663, 0.1185

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.



19.8215, 0.1844, 0.1699



19.8215, 0.5028, 0.4390



19.8215, 0.1330, 0.2331

Square

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



19.8215, 0.5028, 0.4390



19.8215, 0.2272, 0.4699



19.8215, 0.1420, 0.1823



19.8215, 0.3792, 0.2299

Rectangle

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



19.8215, 0.5028, 0.4390



19.8215, 0.3588, 0.5415



19.8215, 0.1420, 0.1823



19.8215, 0.2338, 0.1782

Sweetspot

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



19.8226, 0.5028, 0.4390



59.4244, 0.3655, 0.3778



9.2814, 0.5434, 0.2767



12.5205, 0.3737, 0.3845



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.



19.8226, 0.5028, 0.4390



35.0765, 0.5046, 0.4376



36.6419, 0.3990, 0.5214



8.8245, 0.3271, 0.3433



14.6746, 0.5016, 0.4399



0.5082, 0.4710, 0.4643

Inverse Universe

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



6.6834, 0.1663, 0.1185



11.5914, 0.1654, 0.1155



3.1678, 0.1544, 0.0624



8.2244, 0.2986, 0.3143



5.0114, 0.1668, 0.1205



0.2460, 0.1845, 0.1843

Previews

White Background



This preview shows how the Yxy color 19.8215, 0.5028, 0.4390 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 19.8215, 0.5028, 0.4390 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 19.8215, 0.5028, 0.4390

Background



This preview shows how black text looks on a background with the Yxy color 19.8215, 0.5028, 0.4390.



This preview shows how white text looks on a background with the Yxy color 19.8215, 0.5028, 0.4390.

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

19.8215, 0.5028, 0.4390

Protanopia

19.9308, 0.4360, 0.4849

Deuteranopia

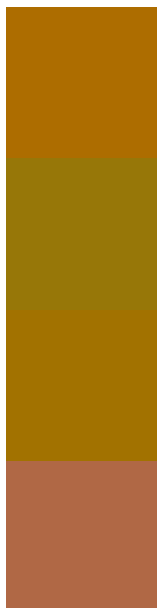
19.7905, 0.4709, 0.4643



Tritanopia

19.7586, 0.4104, 0.3175

Trichromacy



Original Color

19.8215, 0.5028, 0.4390

Protanomaly

19.7905, 0.4596, 0.4687

Deuteranomaly

19.7160, 0.4827, 0.4549

Tritanomaly

19.5604, 0.4634, 0.3788

Monochromacy



Original Color

19.8215, 0.5028, 0.4390

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6230, 0.3964, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8215, 0.5028, 0.4390 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(173, 109, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 109, 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(173, 109, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 109, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8215, 0.5028, 0.4390 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(173, 109, 0) }
```

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

```
.border{ border-color:rgb(173, 109, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 109, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 109, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 109, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 109,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8215, 0.5028, 0.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 109, 0) }
```

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

```
.background{ background-color: rgb(173,  
109, 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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