

Converting Colors

$Y_{xy}(19.3478, 0.4891, 0.4419)$

Have a look what the booklet for
Yxy(19.3478, 0.4891, 0.4419)
contains.

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Color

Yxy(19.2906, 0.4895, 0.4416)

Conversions

Conversions Part 1

Format	Color
Hex	A66E0E
RGB	166, 110, 14
RGB Percent	65%, 43%, 5%
CMY	0.3490, 0.5686, 0.9453
CMYK	0.00, 0.34, 0.92, 0.35
HSL	38°, 85%, 35%
HSV	38°, 92%, 65%
XYZ	21.3830, 19.2906, 3.0098
YIQ	115.8000, 64.1920, -17.9840

Conversions

Conversions Part 2

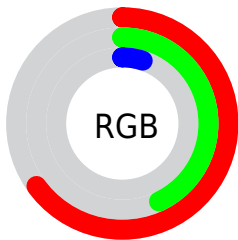
Format	Color
R _Y B	103, 166, 14
Decimal	10907150
CIE Lab	51.03, 15.20, 55.09
CIE LCh	51, 57.146, 74.580
Yxy	19.2906, 0.4895, 0.4416
Android (android.graphics.Color)	4289097230 (0xFFA66E0E)
YUV	115.8000, -50.1874, 44.0254
Hunter-Lab	43.9211, 10.0411, 26.6818

Details

The Yxy color **19.2906, 0.4895, 0.4416** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.2220, 0.1731, 0.1351**, and the grayscale version is **17.5413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4643, 0.4558, 0.4261**, and **6.6965, 0.5149, 0.4294** is the 20% darker color. If you saturate the color by 10%, you get **18.1835, 0.5020, 0.4396**, and if you desaturate by 10%, it is **20.7221, 0.4725, 0.4405**.

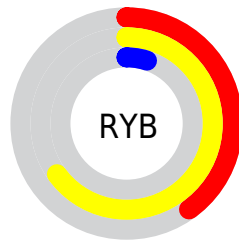
Distribution



Red (65%)

Green (43%)

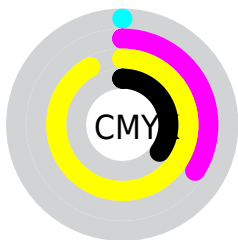
Blue (5%)



Red (40%)

Yellow (65%)

Blue (5%)

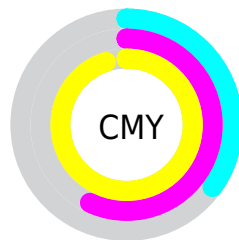


Cyan (0%)

Magenta (34%)

Yellow (92%)

Black (35%)



Cyan (35%)


Magenta (57%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2906, 0.4895, 0.4416 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 19.2906, 0.4895, 0.4416 by changing the saturation by 10% instead.


 19.2906, 0.4895,
0.4416


 19.2906, 0.4895,
0.4416


248.0484, 0.3959,
0.3897

 11.8804, 0.5102,
0.4483


 42.2246, 0.4563,
0.4261

 6.6623, 0.5414,
0.4586


 58.5172, 0.4433,
0.4190

 3.2518, 0.5553,
0.4447

 78.5394, 0.4323,
0.4127

 1.2646, 0.5786,
0.4214

 102.6756, 0.4228,
0.4070

 0.1135, 0.8084,
0.1916


 131.3102, 0.4147,
0.4019

 0.0000, 0.0000,
0.0000


 164.8276, 0.4076,


0.3973

 203.6122, 0.4014,
0.3933


 19.2906, 0.4895,
0.4416


 19.2906, 0.4895,
0.4416

 18.1835, 0.5020,
0.4396

 20.7221, 0.4725,
0.4405

 22.2903, 0.4528,
0.4345

 24.0041, 0.4315,
0.4243

 25.8704, 0.4096,
0.4110

 27.8952, 0.3880,
0.3958

■ 30.0844, 0.3674,
0.3795

■ 32.4431, 0.3483,
0.3630

■ 34.9763, 0.3308,
0.3469

■ 37.6888, 0.3151,
0.3314

Harmonies

Analogous

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



19.2906, 0.5200, 0.3684



19.2906, 0.4895, 0.4416



19.2906, 0.4140, 0.5077

Triad

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



19.2906, 0.4895, 0.4416



19.2906, 0.1647, 0.3278



19.2906, 0.2755, 0.1962

Complementary

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



19.2906, 0.4895, 0.4416



7.2220, 0.1731, 0.1351

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.



19.2906, 0.1957, 0.1780



19.2906, 0.4895, 0.4416



19.2906, 0.1413, 0.2345

Square

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



19.2906, 0.4895, 0.4416



19.2906, 0.2272, 0.4510



19.2906, 0.1521, 0.1882



19.2906, 0.3837, 0.2391

Rectangle

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



19.2906, 0.4895, 0.4416



19.2906, 0.3515, 0.5286



19.2906, 0.1521, 0.1882



19.2906, 0.2448, 0.1872

Sweetspot

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



19.2916, 0.4895, 0.4416



56.3066, 0.3594, 0.3728



8.8921, 0.5179, 0.2699



12.2933, 0.3658, 0.3782



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.



19.2916, 0.4895, 0.4416



32.5788, 0.5039, 0.4381



33.6304, 0.3988, 0.5162



8.3022, 0.3271, 0.3432



14.1892, 0.5011, 0.4403



0.4379, 0.4680, 0.4666

Inverse Universe

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



7.2220, 0.1731, 0.1351



10.7109, 0.1654, 0.1154



3.3684, 0.1611, 0.0712



7.7363, 0.2986, 0.3144



4.8182, 0.1668, 0.1203



0.2151, 0.1859, 0.1891

Previews

White Background



This preview shows how the Yxy color 19.2906, 0.4895, 0.4416 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 19.2906, 0.4895, 0.4416 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 19.2906, 0.4895, 0.4416

Background



This preview shows how black text looks on a background with the Yxy color 19.2906, 0.4895, 0.4416.



This preview shows how white text looks on a background with the Yxy color 19.2906, 0.4895, 0.4416.

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

19.2906, 0.4895, 0.4416

Protanopia

19.2811, 0.4342, 0.4815

Deuteranopia

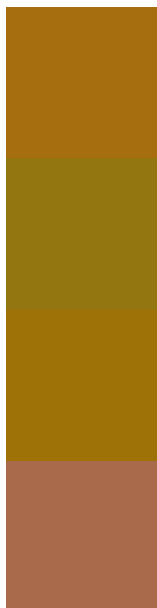
19.3674, 0.4692, 0.4639



Tritanopia

19.2865, 0.4004, 0.3170

Trichromacy



Original Color

19.2906, 0.4895, 0.4416

Protanomaly

19.2932, 0.4545, 0.4666

Deuteranomaly

19.3191, 0.4760, 0.4563

Tritanomaly

19.0462, 0.4459, 0.3744

Monochromacy



Original Color

19.2906, 0.4895, 0.4416

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6675, 0.3851, 0.3941

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2906, 0.4895, 0.4416 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(166, 110, 14)` looks like.

```
.text, #text, p{  
    color:rgb(166, 110, 14)  
}
```

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(166, 110, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 110, 14) }
```

Border

The CSS property to change the border of an element to Yxy 19.2906, 0.4895, 0.4416 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(166, 110, 14) }
```

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

```
.border{ border-color:rgb(166, 110, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 110, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 110, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 110, 14);  
box-shadow:4px 4px 4px 4px rgb(166, 110,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2906, 0.4895, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 110, 14) }
```

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

```
.background{ background-color: rgb(166,  
110, 14) }
```

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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