

Converting Colors

$Y_{xy}(19.3120, 0.4305, 0.4761)$

Have a look what the booklet for
Yxy(19.3120, 0.4305, 0.4761)
contains.

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Color

Yxy(19.3120, 0.4305, 0.4761)

Conversions

Conversions Part 1

Format	Color
Hex	897A1A
RGB	137, 122, 26
RGB Percent	54%, 48%, 10%
CMY	0.4628, 0.5215, 0.8978
CMYK	0.00, 0.11, 0.81, 0.46
HSL	52°, 68%, 32%
HSV	52°, 81%, 54%
XYZ	17.4623, 19.3120, 3.7886
YIQ	115.5410, 39.7560, -26.6760

Conversions

Conversions Part 2

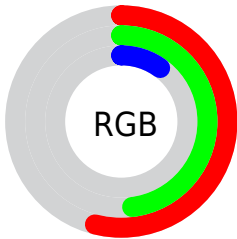
Format	Color
R_{YB}	43, 137, 26
Decimal	9009690
CIE Lab	51.05, -4.77, 50.31
CIE LCh	51, 50.536, 95.411
Yxy	19.3120, 0.4305, 0.4761
Android (android.graphics.Color)	4287199770 (0xFF897A1A)
YUV	115.5410, -44.1437, 18.8195
Hunter-Lab	43.9454, -5.9750, 25.6503

Details

The Yxy color **19.3120, 0.4305, 0.4761** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.6167, 0.1717, 0.1082**, and the grayscale version is **17.4482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1741, 0.4090, 0.4476**, and **6.7824, 0.4400, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **18.8152, 0.4387, 0.4821**, and if you desaturate by 10%, it is **19.8486, 0.4197, 0.4658**.

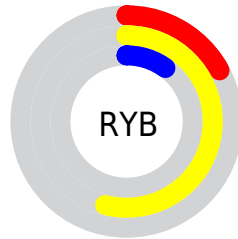
Distribution



Red (54%)

Green (48%)

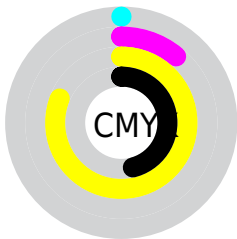
Blue (10%)



Red (17%)

Yellow (54%)

Blue (10%)

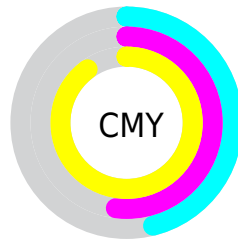


Cyan (0%)

Magenta (11%)

Yellow (81%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3120, 0.4305, 0.4761 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 19.3120, 0.4305, 0.4761 by changing the saturation by 10% instead.


 19.3120, 0.4305,
0.4761


 19.3120, 0.4305,
0.4761

248.1658, 0.3695,
0.3971


 11.8959, 0.4430,
0.4943


 42.2606, 0.4093,
0.4475


 6.6729, 0.4612,
0.5212


 58.5620, 0.4009,
0.4365

 3.2584, 0.4646,
0.5354

 78.5939, 0.3937,
0.4273

 1.2681, 0.4561,
0.5439

 102.7408, 0.3874,
0.4194

 0.1163, 0.0000,
1.0000


 131.3871, 0.3820,
0.4126


 0.0000, 0.0000,
0.0000


 164.9170, 0.3773,


0.4067

 203.7152, 0.3732,
0.4016

 19.3120, 0.4305,
0.4761


 19.3120, 0.4305,
0.4761


 18.8152, 0.4387,
0.4821


 19.8486, 0.4197,
0.4658

 18.3884, 0.4446,
0.4852

 20.4261, 0.4068,
0.4517

 21.0484, 0.3921,
0.4345

 21.7185, 0.3764,
0.4150

 22.4389, 0.3603,
0.3942

■ 23.2119, 0.3443,
0.3728

■ 24.0397, 0.3288,
0.3516

■ 24.9244, 0.3141,
0.3309

■ 25.8678, 0.3003,
0.3113

Harmonies

Analogous

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



19.3120, 0.4866, 0.4147



19.3120, 0.4305, 0.4761



19.3120, 0.3484, 0.5050

Triad

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



19.3120, 0.4305, 0.4761



19.3120, 0.1601, 0.2672



19.3120, 0.3459, 0.2338

Complementary

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



19.3120, 0.4305, 0.4761



3.6167, 0.1717, 0.1082

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.



19.3120, 0.2546, 0.2006



19.3120, 0.4305, 0.4761



19.3120, 0.1602, 0.2114

Square

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



19.3120, 0.4305, 0.4761



19.3120, 0.1937, 0.3617



19.3120, 0.1913, 0.1917



19.3120, 0.4398, 0.2859

Rectangle

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



19.3120, 0.4305, 0.4761



19.3120, 0.2896, 0.4857



19.3120, 0.1913, 0.1917



19.3120, 0.3134, 0.2203

Sweetspot

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



19.3129, 0.4305, 0.4761



41.0686, 0.3500, 0.3804



6.2321, 0.5497, 0.3082



9.1154, 0.3550, 0.3871



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.3129, 0.4305, 0.4761



33.0131, 0.4435, 0.4841



20.5704, 0.3641, 0.5280



5.7317, 0.3261, 0.3478



17.1432, 0.4445, 0.4852



0.1287, 0.4308, 0.4961

Inverse Universe

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



3.6167, 0.1717, 0.1082



4.1356, 0.1548, 0.0746



3.6682, 0.2033, 0.1056



4.9942, 0.2991, 0.3095



2.1124, 0.1538, 0.0735



0.0261, 0.1677, 0.1238

Previews

White Background



This preview shows how the Yxy color 19.3120, 0.4305, 0.4761 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 19.3120, 0.4305, 0.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

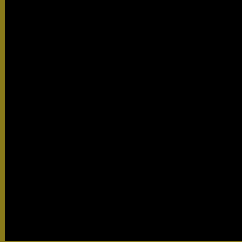
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.3120, 0.4305, 0.4761

Background



This preview shows how black text looks on a background with the Yxy color 19.3120, 0.4305, 0.4761.



This preview shows how white text looks on a background with the Yxy color 19.3120, 0.4305, 0.4761.

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

19.3120, 0.4305, 0.4761

Protanopia

19.3120, 0.4305, 0.4761

Deuteranopia

19.3568, 0.4572, 0.4512



Tritanopia

19.3691, 0.3423, 0.3152

Trichromacy



Original Color

19.3120, 0.4305, 0.4761

Protanomaly

19.3120, 0.4305, 0.4761

Deuteranomaly

19.2486, 0.4474, 0.4597

Tritanomaly

19.0734, 0.3826, 0.3827

Monochromacy



Original Color

19.3120, 0.4305, 0.4761

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.8665, 0.3635, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3120, 0.4305, 0.4761 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(137, 122, 26)` looks like.

```
.text, #text, p{  
    color:rgb(137, 122, 26)  
}
```

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(137, 122, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 122, 26) }
```

Border

The CSS property to change the border of an element to Yxy 19.3120, 0.4305, 0.4761 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(137, 122, 26) }
```

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

```
.border{ border-color:rgb(137, 122, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 122, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 122, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 122, 26);  
box-shadow:4px 4px 4px 4px rgb(137, 122,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3120, 0.4305, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 122, 26) }
```

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

```
.background{ background-color: rgb(137,  
122, 26) }
```

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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