

Converting Colors

$Y_{xy}(19.2510, 0.4406, 0.4884)$

Have a look what the booklet for
Yxy(19.2510, 0.4406, 0.4884)
contains.

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Color

Yxy(19.3223, 0.4407, 0.4883)

Conversions

Conversions Part 1

Format	Color
Hex	8A7A00
RGB	138, 122, 0
RGB Percent	54%, 48%, 0%
CMY	0.4589, 0.5215, 1.0000
CMYK	0.00, 0.12, 1.00, 0.46
HSL	53°, 100%, 27%
HSV	53°, 100%, 54%
XYZ	17.4387, 19.3223, 2.8095
YIQ	112.8760, 48.6980, -34.5500

Conversions

Conversions Part 2

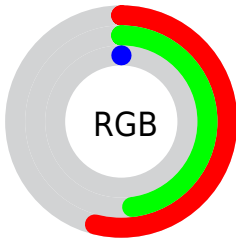
Format	Color
R_{YB}	18, 138, 0
Decimal	9075200
CIE Lab	51.06, -4.95, 56.52
CIE LCh	51, 56.740, 95.000
Yxy	19.3223, 0.4407, 0.4883
Android (android.graphics.Color)	4287265280 (0xFF8A7A00)
YUV	112.8760, -55.6479, 22.0337
Hunter-Lab	43.9571, -6.1102, 26.9805

Details

The Yxy color **19.3223, 0.4407, 0.4883** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.2044, 0.1530, 0.0707**, and the grayscale version is **16.6323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2559, 0.4196, 0.4594**, and **6.7824, 0.4400, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **19.3233, 0.4407, 0.4883**, and if you desaturate by 10%, it is **19.7500, 0.4347, 0.4846**.

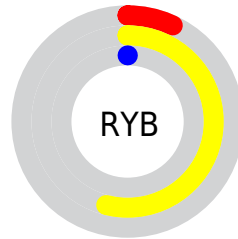
Distribution



Red (54%)

Green (48%)

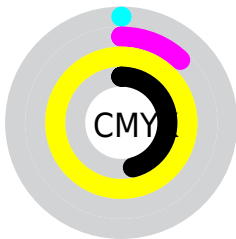
Blue (0%)



Red (7%)

Yellow (54%)

Blue (0%)

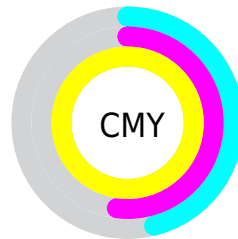


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3223, 0.4407, 0.4883 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 19.3223, 0.4407, 0.4883 by changing the saturation by 10% instead.


 19.3223, 0.4407,
0.4883


 19.3223, 0.4407,
0.4883


248.2223, 0.3766,
0.4050


 11.9034, 0.4521,
0.5055


 42.2780, 0.4195,
0.4593

 6.6779, 0.4688,
0.5312


 58.5836, 0.4107,
0.4478

 3.2615, 0.4638,
0.5362

 78.6202, 0.4029,
0.4379

 1.2697, 0.4549,
0.5451

 102.7722, 0.3962,
0.4293

 0.1176, 0.0000,
1.0000


 131.4240, 0.3903,
0.4220


 0.0000, 0.0000,
0.0000


 164.9601, 0.3852,

0.4156


 203.7647, 0.3806,
0.4100


 19.3223, 0.4407,
0.4883


 19.3223, 0.4407,
0.4883


 19.3233, 0.4407,
0.4883

 19.7500, 0.4347,
0.4846

 20.2029, 0.4269,
0.4780

 20.6924, 0.4165,
0.4671

 21.2224, 0.4039,
0.4525

 21.7959, 0.3896,
0.4347

■ 22.4159, 0.3743,
0.4148

■ 23.0850, 0.3584,
0.3935

■ 23.8054, 0.3427,
0.3716

■ 24.5794, 0.3273,
0.3500

Harmonies

Analogous

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



19.3223, 0.5043, 0.4178



19.3223, 0.4407, 0.4883



19.3223, 0.3501, 0.5271

Triad

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



19.3223, 0.4407, 0.4883



19.3223, 0.1458, 0.2595



19.3223, 0.3475, 0.2237

Complementary

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



19.3223, 0.4407, 0.4883



2.2044, 0.1530, 0.0707

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.



19.3223, 0.2465, 0.1883



19.3223, 0.4407, 0.4883



19.3223, 0.1461, 0.1993

Square

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



19.3223, 0.4407, 0.4883



19.3223, 0.1813, 0.3664



19.3223, 0.1788, 0.1788



19.3223, 0.4538, 0.2794

Rectangle

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



19.3223, 0.4407, 0.4883



19.3223, 0.2858, 0.5087



19.3223, 0.1788, 0.1788



19.3223, 0.3111, 0.2093

Sweetspot

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



19.3233, 0.4407, 0.4883



40.6231, 0.3595, 0.3948



5.4396, 0.6220, 0.3200



9.0136, 0.3652, 0.4027



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.



19.3233, 0.4407, 0.4883



33.9214, 0.4412, 0.4879



20.1080, 0.3552, 0.5562



5.7478, 0.3260, 0.3482



17.7346, 0.4406, 0.4884



0.1308, 0.4290, 0.4976

Inverse Universe

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



2.2044, 0.1530, 0.0707



3.7586, 0.1524, 0.0686



2.5885, 0.1841, 0.0788



4.9795, 0.2991, 0.3091



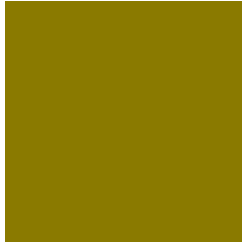
2.0341, 0.1531, 0.0711



0.0240, 0.1654, 0.1156

Previews

White Background



This preview shows how the Yxy color 19.3223, 0.4407, 0.4883 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 19.3223, 0.4407, 0.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

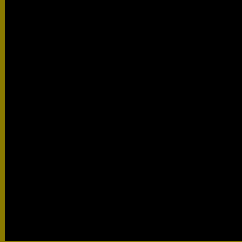
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3223, 0.4407, 0.4883

Background



This preview shows how black text looks on a background with the Yxy color 19.3223, 0.4407, 0.4883.



This preview shows how white text looks on a background with the Yxy color 19.3223, 0.4407, 0.4883.

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

19.3223, 0.4407, 0.4883

Protanopia

19.3267, 0.4402, 0.4875

Deuteranopia

19.3953, 0.4657, 0.4595



Tritanopia

19.2351, 0.3439, 0.3136

Trichromacy



Original Color

19.3223, 0.4407, 0.4883

Protanomaly

19.3245, 0.4405, 0.4879

Deuteranomaly

19.2747, 0.4568, 0.4697

Tritanomaly

18.7916, 0.3960, 0.3963

Monochromacy



Original Color

19.3223, 0.4407, 0.4883

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0962, 0.3752, 0.4154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3223, 0.4407, 0.4883 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(138, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 122, 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(138, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.3223, 0.4407, 0.4883 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(138, 122, 0) }
```

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

```
.border{ border-color:rgb(138, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3223, 0.4407, 0.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 122, 0) }
```

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

```
.background{ background-color: rgb(138,  
122, 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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