

Converting Colors

$Y_{xy}(11.9556, 0.5750, 0.3817)$

Have a look what the booklet for
Yxy(11.9556, 0.5750, 0.3817)
contains.

Yxy(11.8798, 0.5754, 0.3813)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8798, 0.5754, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	A83F00
RGB	168, 63, 0
RGB Percent	66%, 25%, 0%
CMY	0.3412, 0.7529, 0.9999
CMYK	0.00, 0.63, 1.00, 0.34
HSL	22°, 100%, 33%
HSV	22°, 100%, 66%
XYZ	17.9272, 11.8798, 1.3491
YIQ	87.2130, 82.8030, 2.6670

Conversions

Conversions Part 2

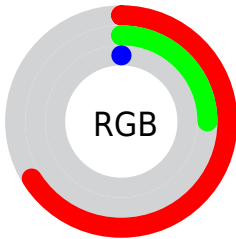
Format	Color
R_{YB}	168, 101, 0
Decimal	11026176
CIE _{Lab}	41.02, 40.95, 52.04
CIE _{LCh}	41, 66.218, 51.801
Yxy	11.8798, 0.5754, 0.3813
Android (android.graphics.Color)	4289216256 (0xFFA83F00)
YUV	87.2130, -42.9960, 70.8502
Hunter-Lab	34.4671, 32.5249, 21.8063

Details

The Yxy color **11.8798, 0.5754, 0.3813** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.9392, 0.1895, 0.2023**, and the grayscale version is **9.6614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3603, 0.5190, 0.3862**, and **3.2967, 0.6338, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **11.8781, 0.5754, 0.3813**, and if you desaturate by 10%, it is **13.1968, 0.5498, 0.3887**.

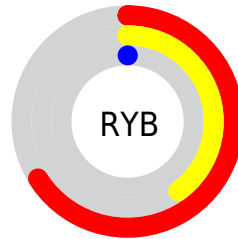
Distribution



Red (66%)

Green (25%)

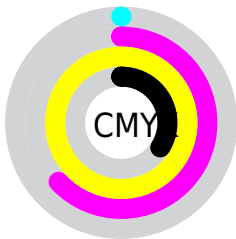
Blue (0%)



Red (66%)

Yellow (40%)

Blue (0%)

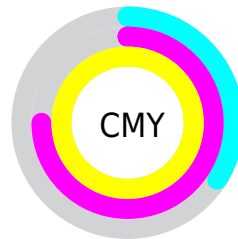


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8798, 0.5754, 0.3813 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 11.8798, 0.5754, 0.3813 by changing the saturation by 10% instead.


 11.8798, 0.5754,
0.3813


 11.8798, 0.5754,
0.3813


 203.6079, 0.4258,
0.3713


 6.6619, 0.6192,
0.3751


 29.2760, 0.5198,
0.3858


 3.2516, 0.6535,
0.3465

 42.2231, 0.4988,
0.3846

 1.2644, 0.7012,
0.2988

 58.5153, 0.4812,
0.3826

 0.1134, 0.9093,
0.0907

 78.5371, 0.4665,
0.3803


 0.0000, 1.0000,
0.0000


 102.6729, 0.4540,
0.3779


 0.0000, 0.0000,
0.0000


 131.3070, 0.4432,


0.3756


 164.8239, 0.4339,
0.3734


 11.8798, 0.5754,
0.3813


 11.8798, 0.5754,
0.3813

 11.8781, 0.5754,
0.3813

 13.1968, 0.5498,
0.3887

 14.7803, 0.5201,
0.3922

 16.6555, 0.4876,
0.3907

 18.8389, 0.4547,
0.3855

 21.3450, 0.4234,
0.3775

■ 24.1877, 0.3950,
0.3681

■ 27.3798, 0.3697,
0.3580

■ 30.9332, 0.3478,
0.3479

■ 34.8595, 0.3289,
0.3382

Harmonies

Analogous

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



11.8798, 0.5600, 0.3016



11.8798, 0.5754, 0.3813



11.8798, 0.5081, 0.4774

Triad

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



11.8798, 0.5754, 0.3813



11.8798, 0.1720, 0.4589



11.8798, 0.1823, 0.1441

Complementary

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



11.8798, 0.5754, 0.3813



12.9392, 0.1895, 0.2023

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.



11.8798, 0.1227, 0.1452



11.8798, 0.5754, 0.3813



11.8798, 0.1136, 0.2834

Square

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



11.8798, 0.5754, 0.3813



11.8798, 0.2768, 0.5946



11.8798, 0.1011, 0.1837



11.8798, 0.2923, 0.1728

Rectangle

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



11.8798, 0.5754, 0.3813



11.8798, 0.4366, 0.5445



11.8798, 0.1011, 0.1837



11.8798, 0.1574, 0.1410

Sweetspot

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



11.8805, 0.5754, 0.3813



49.3326, 0.3711, 0.3586



9.3756, 0.4395, 0.2195



10.2298, 0.3809, 0.3627



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.



11.8805, 0.5754, 0.3813



21.1722, 0.5786, 0.3788



28.7634, 0.4447, 0.4851



7.9859, 0.3277, 0.3375



9.0610, 0.5737, 0.3827



0.3190, 0.5130, 0.4309

Inverse Universe

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



12.9392, 0.1895, 0.2023



23.0485, 0.1888, 0.1998



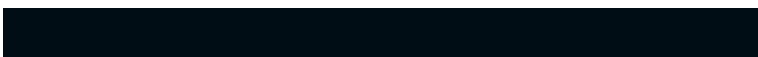
3.4180, 0.1531, 0.0711



8.0523, 0.2987, 0.3203



9.8690, 0.1899, 0.2036



0.3335, 0.2027, 0.2498

Previews

White Background



This preview shows how the Yxy color 11.8798, 0.5754, 0.3813 looks on a white background.

Color Contrast Check

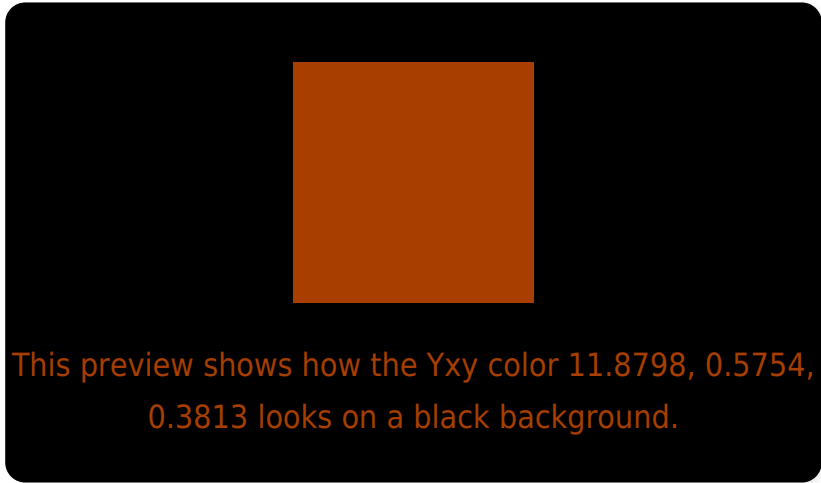
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 11.8798, 0.5754, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 11.8798, 0.5754, 0.3813.



This preview shows how white text looks on a background with the Yxy color 11.8798, 0.5754, 0.3813.

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

11.8798, 0.5754, 0.3813

Protanopia

12.0908, 0.4311, 0.4783

Deuteranopia

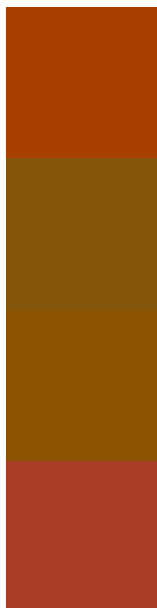
12.0397, 0.4682, 0.4665



Tritanopia

11.9107, 0.5139, 0.3257

Trichromacy



Original Color

11.8798, 0.5754, 0.3813

Protanomaly

11.3465, 0.4900, 0.4389

Deuteranomaly

11.5236, 0.5119, 0.4317

Tritanomaly

11.8132, 0.5494, 0.3538

Monochromacy



Original Color

11.8798, 0.5754, 0.3813

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4376, 0.4258, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8798, 0.5754, 0.3813 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(168, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 63, 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(168, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8798, 0.5754, 0.3813 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(168, 63, 0) }
```

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

```
.border{ border-color:rgb(168, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(168, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8798, 0.5754, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 63, 0) }
```

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

```
.background{ background-color: rgb(168, 63,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor