

Converting Colors

$Y_{xy}(11.9384, 0.5800, 0.3817)$

Have a look what the booklet for
Yxy(11.9384, 0.5800, 0.3817)
contains.

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Color

Yxy(11.8803, 0.5777, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	A93E00
RGB	169, 62, 0
RGB Percent	66%, 24%, 0%
CMY	0.3373, 0.7568, 1.0000
CMYK	0.00, 0.63, 1.00, 0.34
HSL	22°, 100%, 33%
HSV	22°, 100%, 66%
XYZ	18.0850, 11.8803, 1.3399
YIQ	86.9250, 83.6740, 3.4020

Conversions

Conversions Part 2

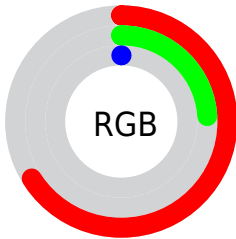
Format	Color
R_{YB}	169, 98, 0
Decimal	11091456
CIE _{Lab}	41.03, 41.78, 52.15
CIE _{LCh}	41, 66.821, 51.295
Yxy	11.8803, 0.5777, 0.3795
Android (android.graphics.Color)	4289281536 (0xFFA93E00)
YUV	86.9250, -42.8540, 71.9798
Hunter-Lab	34.4678, 33.3388, 21.8227

Details

The Yxy color **11.8803, 0.5777, 0.3795** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.3788, 0.1903, 0.2050**, and the grayscale version is **9.5951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2994, 0.5209, 0.3848**, and **3.2533, 0.6363, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **11.8810, 0.5777, 0.3795**, and if you desaturate by 10%, it is **13.2017, 0.5519, 0.3870**.

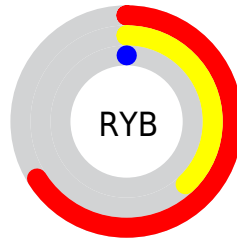
Distribution



Red (66%)

Green (24%)

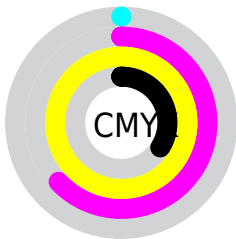
Blue (0%)



Red (66%)

Yellow (38%)

Blue (0%)

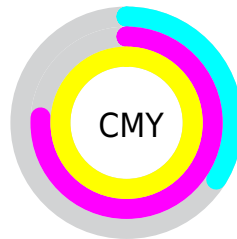


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (34%)



Cyan (34%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8803, 0.5777, 0.3795 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 11.8803, 0.5777, 0.3795 by changing the saturation by 10% instead.


 11.8803, 0.5777,
0.3795


 11.8803, 0.5777,
0.3795


 203.6112, 0.4269,
0.3708


 6.6622, 0.6219,
0.3729


 29.2769, 0.5216,
0.3846


 3.2518, 0.6563,
0.3437


 42.2242, 0.5005,
0.3835


 1.2645, 0.7045,
0.2955

 58.5168, 0.4828,
0.3817

 0.1135, 0.9110,
0.0890

 78.5389, 0.4679,
0.3795

 0.0000, 1.0000,
0.0000


 102.6750, 0.4553,
0.3772

 0.0000, 0.0000,
0.0000


 131.3095, 0.4444,

0.3750


 164.8268, 0.4350,
0.3728

 11.8803, 0.5777,
0.3795


 11.8803, 0.5777,
0.3795


 11.8810, 0.5777,
0.3795

 13.2017, 0.5519,
0.3870

 14.7981, 0.5219,
0.3906

 16.6954, 0.4890,
0.3894

 18.9108, 0.4557,
0.3843

 21.4596, 0.4241,
0.3766

■ 24.3561, 0.3954,
0.3673

■ 27.6137, 0.3700,
0.3574

■ 31.2450, 0.3479,
0.3476

■ 35.2619, 0.3289,
0.3380

Harmonies

Analogous

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



11.8803, 0.5608, 0.2997



11.8803, 0.5777, 0.3795



11.8803, 0.5107, 0.4761

Triad

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



11.8803, 0.5777, 0.3795



11.8803, 0.1722, 0.4634



11.8803, 0.1800, 0.1428

Complementary

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



11.8803, 0.5777, 0.3795



13.3788, 0.1903, 0.2050

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.



11.8803, 0.1210, 0.1444



11.8803, 0.5777, 0.3795



11.8803, 0.1129, 0.2852

Square

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



11.8803, 0.5777, 0.3795



11.8803, 0.2780, 0.5982



11.8803, 0.0998, 0.1836



11.8803, 0.2897, 0.1711

Rectangle

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



11.8803, 0.5777, 0.3795



11.8803, 0.4390, 0.5443



11.8803, 0.0998, 0.1836



11.8803, 0.1553, 0.1399

Sweetspot

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



11.8810, 0.5777, 0.3795



49.1245, 0.3713, 0.3580



9.4973, 0.4396, 0.2195



10.1804, 0.3812, 0.3620



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.



11.8810, 0.5777, 0.3795



20.9117, 0.5807, 0.3771



29.1371, 0.4447, 0.4851



7.9763, 0.3277, 0.3373



8.9496, 0.5758, 0.3810



0.3154, 0.5147, 0.4295

Inverse Universe

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



13.3788, 0.1903, 0.2050



23.5489, 0.1896, 0.2027



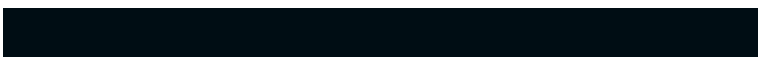
3.4590, 0.1531, 0.0710



8.0623, 0.2987, 0.3205



10.0757, 0.1907, 0.2064



0.3376, 0.2032, 0.2516

Previews

White Background



This preview shows how the Yxy color 11.8803, 0.5777, 0.3795 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



This preview shows how the Yxy color 11.8803, 0.5777, 0.3795 looks on a 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 11.8803, 0.5777, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 11.8803, 0.5777, 0.3795.



This preview shows how white text looks on a background with the Yxy color 11.8803, 0.5777, 0.3795.

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

11.8803, 0.5777, 0.3795

Protanopia

12.0908, 0.4311, 0.4783

Deuteranopia

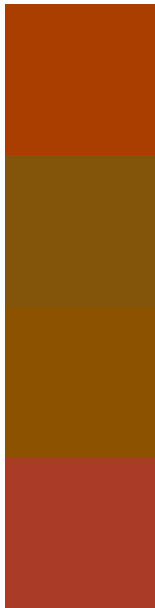
12.0397, 0.4682, 0.4665



Tritanopia

11.9091, 0.5179, 0.3258

Trichromacy



Original Color

11.8803, 0.5777, 0.3795

Protanomaly

11.3465, 0.4900, 0.4389

Deuteranomaly

11.6100, 0.5132, 0.4307

Tritanomaly

11.8205, 0.5516, 0.3523

Monochromacy



Original Color

11.8803, 0.5777, 0.3795

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.5065, 0.4276, 0.3782

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8803, 0.5777, 0.3795 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(169, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 62, 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(169, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 62, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.8803, 0.5777, 0.3795 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(169, 62, 0) }
```

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

```
.border{ border-color:rgb(169, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(169, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 62, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8803, 0.5777, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 62, 0) }
```

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

```
.background{ background-color: rgb(169, 62,  
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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