

Converting Colors

$Y_{xy}(11.9559, 0.5807, 0.3803)$

Have a look what the booklet for
Yxy(11.9559, 0.5807, 0.3803)
contains.

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Color

Yxy(11.9913, 0.5784, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	AA3E00
RGB	170, 62, 0
RGB Percent	67%, 24%, 0%
CMY	0.3333, 0.7568, 1.0000
CMYK	0.00, 0.64, 1.00, 0.33
HSL	22°, 100%, 33%
HSV	22°, 100%, 67%
XYZ	18.3002, 11.9913, 1.3478
YIQ	87.2240, 84.2700, 3.6140

Conversions

Conversions Part 2

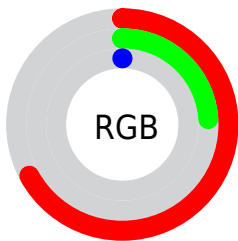
Format	Color
R_{YB}	170, 98, 0
Decimal	11156992
CIE Lab	41.20, 42.16, 52.36
CIE LCh	41, 67.222, 51.160
Yxy	11.9913, 0.5784, 0.3790
Android (android.graphics.Color)	4289347072 (0xFFAA3E00)
YUV	87.2240, -43.0014, 72.5946
Hunter-Lab	34.6285, 33.7325, 21.9322

Details

The Yxy color **11.9913, 0.5784, 0.3790** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.6264, 0.1905, 0.2057**, and the grayscale version is **9.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4663, 0.5217, 0.3844**, and **3.2946, 0.6376, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **11.9922, 0.5784, 0.3790**, and if you desaturate by 10%, it is **13.3263, 0.5526, 0.3866**.

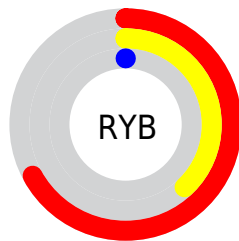
Distribution



Red (67%)

Green (24%)

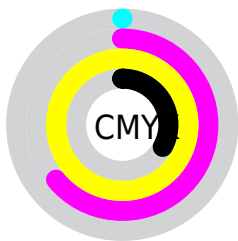
Blue (0%)



Red (67%)

Yellow (38%)

Blue (0%)

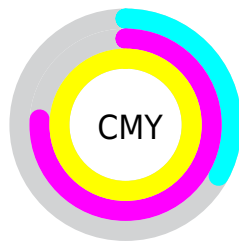


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (76%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9913, 0.5784, 0.3790 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 11.9913, 0.5784, 0.3790 by changing the saturation by 10% instead.


 11.9913, 0.5784,
0.3790


 11.9913, 0.5784,
0.3790


 204.3477, 0.4274,
0.3708


 6.7378, 0.6223,
0.3721


 29.4793, 0.5223,
0.3842


 3.2986, 0.6569,
0.3431


 42.4825, 0.5012,
0.3833

 1.2896, 0.7049,
0.2951


 58.8377, 0.4835,
0.3815

 0.1331, 0.8999,
0.1001

 78.9293, 0.4686,
0.3794

 0.0000, 1.0000,
0.0000


 103.1417, 0.4559,
0.3771


 0.0000, 0.0000,
0.0000


 131.8593, 0.4450,

0.3749

 165.4665, 0.4356,
0.3728


 11.9913, 0.5784,
0.3790

 11.9913, 0.5784,
0.3790


 11.9922, 0.5784,
0.3790

 13.3263, 0.5526,
0.3866

 14.9413, 0.5225,
0.3902

 16.8628, 0.4894,
0.3890

 19.1084, 0.4560,
0.3840

 21.6938, 0.4243,
0.3763

■ 24.6335, 0.3955,
0.3671

■ 27.9414, 0.3701,
0.3573

■ 31.6301, 0.3479,
0.3475

■ 35.7119, 0.3290,
0.3380

Harmonies

Analogous

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



11.9913, 0.5612, 0.2992



11.9913, 0.5784, 0.3790



11.9913, 0.5114, 0.4758

Triad

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



11.9913, 0.5784, 0.3790



11.9913, 0.1722, 0.4647



11.9913, 0.1793, 0.1424

Complementary

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



11.9913, 0.5784, 0.3790



13.6264, 0.1905, 0.2057

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.



11.9913, 0.1205, 0.1441



11.9913, 0.5784, 0.3790



11.9913, 0.1126, 0.2857

Square

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



11.9913, 0.5784, 0.3790



11.9913, 0.2783, 0.5992



11.9913, 0.0994, 0.1835



11.9913, 0.2890, 0.1706

Rectangle

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



11.9913, 0.5784, 0.3790



11.9913, 0.4396, 0.5442



11.9913, 0.0994, 0.1835



11.9913, 0.1547, 0.1395

Sweetspot

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



11.9922, 0.5784, 0.3790



50.3517, 0.3714, 0.3578



9.6829, 0.4331, 0.2159



10.6655, 0.3815, 0.3619



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



11.9922, 0.5784, 0.3790



21.3786, 0.5815, 0.3765



28.6449, 0.4483, 0.4823



7.9736, 0.3277, 0.3373



8.9198, 0.5764, 0.3805



0.3145, 0.5151, 0.4292

Inverse Universe

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



13.6264, 0.1905, 0.2057



24.2956, 0.1898, 0.2034



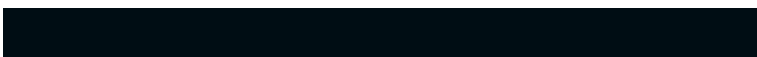
3.6192, 0.1536, 0.0730



8.0650, 0.2987, 0.3206



10.1323, 0.1909, 0.2072



0.3388, 0.2034, 0.2521

Previews

White Background



This preview shows how the Yxy color 11.9913, 0.5784, 0.3790 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 11.9913, 0.5784, 0.3790 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 11.9913, 0.5784, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 11.9913, 0.5784, 0.3790.



This preview shows how white text looks on a background with the Yxy color 11.9913, 0.5784, 0.3790.

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

11.9913, 0.5784, 0.3790

Protanopia

12.1553, 0.4327, 0.4771

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

12.0210, 0.5190, 0.3258

Trichromacy



Original Color

11.9913, 0.5784, 0.3790

Protanomaly

11.4267, 0.4914, 0.4378

Deuteranomaly

11.6973, 0.5144, 0.4297

Tritanomaly

11.9323, 0.5525, 0.3521

Monochromacy



Original Color

11.9913, 0.5784, 0.3790

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 11.9913, 0.5784, 0.3790 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(170, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 62, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.9913, 0.5784, 0.3790 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(170, 62, 0) }
```

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

```
.border{ border-color:rgb(170, 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(170, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 62, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9913, 0.5784, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 62, 0) }
```

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

```
.background{ background-color: rgb(170, 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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