

Converting Colors

$Y_{xy}(15.9791, 0.5688, 0.3866)$

Have a look what the booklet for
Yxy(15.9791, 0.5688, 0.3866)
contains.

Yxy(15.9877, 0.5693, 0.3862) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(15.9877, 0.5693, 0.3862)

Conversions

Conversions Part 1	
Format	Color
Hex	BD4C00
RGB	189, 76, 0
RGB Percent	74%, 30%, 0%
CMY	0.2589, 0.7019, 1.0000
CMYK	0.00, 0.60, 1.00, 0.26
HSL	24°, 100%, 37%
HSV	24°, 100%, 74%
XYZ	23.5676, 15.9877, 1.8422
YIQ	101.1230, 91.7440, 0.3200

Conversions

Conversions Part 2

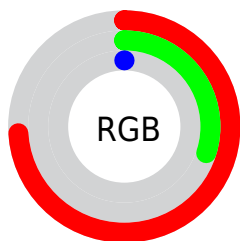
Format	Color
RYB	189, 127, 0
Decimal	12405760
CIELab	46.96, 42.75, 57.21
CIELCh	47, 71.413, 53.230
Yxy	15.9877, 0.5693, 0.3862
Android (android.graphics.Color)	4290595840 (0xFFBD4C00)
YUV	101.1230, -49.8536, 77.0681
Hunter-Lab	39.9846, 35.2377, 25.2576

Details

The Yxy color **15.9877, 0.5693, 0.3862** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.4750, 0.1865, 0.1913**, and the grayscale version is **13.1631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4496, 0.5192, 0.3890**, and **5.0858, 0.6178, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **15.9887, 0.5693, 0.3862**, and if you desaturate by 10%, it is **17.7315, 0.5451, 0.3940**.

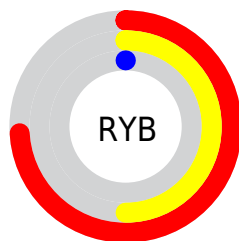
Distribution



Red (74%)

Green (30%)

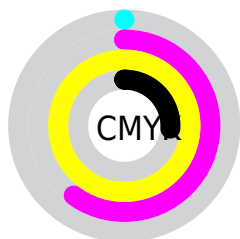
Blue (0%)



Red (74%)

Yellow (50%)

Blue (0%)

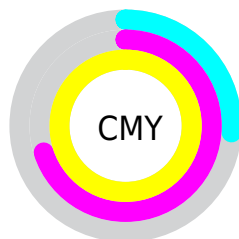


Cyan (0%)

Magenta (60%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (70%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9877, 0.5693, 0.3862 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 15.9877, 0.5693, 0.3862 by changing the saturation by 10% instead.


 15.9877, 0.5693,
0.3862


 15.9877, 0.5693,
0.3862


 229.2691, 0.4297,
0.3745


 9.5154, 0.6029,
0.3790


 36.5769, 0.5192,
0.3893


 5.0789, 0.6393,
0.3607


 51.4625, 0.4998,
0.3879


 2.2936, 0.6766,
0.3234


 69.9215, 0.4833,
0.3859

 0.7703, 0.7374,
0.2626

 92.3381, 0.4693,
0.3836


 0.0000, 1.0000,
0.0000

 119.0968, 0.4572,
0.3812

 0.0000, 0.0000,
0.0000

 150.5819, 0.4468,


0.3788


 187.1779, 0.4377,
0.3766


 15.9877, 0.5693,
0.3862


 15.9877, 0.5693,
0.3862


 15.9887, 0.5693,
0.3862


 17.7315, 0.5451,
0.3940


 19.8062, 0.5167,
0.3974

 22.2418, 0.4853,
0.3957


 25.0580, 0.4534,
0.3900

 28.2731, 0.4228,
0.3814

 31.9035, 0.3948,
0.3712

 35.9650, 0.3698,
0.3604

 40.4721, 0.3479,
0.3495

 45.4388, 0.3290,
0.3389

Harmonies

Analogous

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



15.9877, 0.5579, 0.3065



15.9877, 0.5693, 0.3862



15.9877, 0.4995, 0.4795

Triad

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



15.9877, 0.5693, 0.3862



15.9877, 0.1712, 0.4469



15.9877, 0.1886, 0.1476

Complementary

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



15.9877, 0.5693, 0.3862



15.4750, 0.1865, 0.1913

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.



15.9877, 0.1274, 0.1474



15.9877, 0.5693, 0.3862



15.9877, 0.1154, 0.2786

Square

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



15.9877, 0.5693, 0.3862



15.9877, 0.2733, 0.5849



15.9877, 0.1044, 0.1836



15.9877, 0.2994, 0.1774

Rectangle

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



15.9877, 0.5693, 0.3862



15.9877, 0.4290, 0.5438



15.9877, 0.1044, 0.1836



15.9877, 0.1632, 0.1441

Sweetspot

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



15.9887, 0.5693, 0.3862



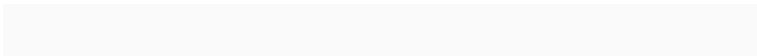
64.0585, 0.3709, 0.3609



12.0178, 0.4543, 0.2276



13.0987, 0.3811, 0.3655



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



15.9887, 0.5693, 0.3862



28.2012, 0.5720, 0.3841



39.5981, 0.4381, 0.4904



10.1494, 0.3279, 0.3383



10.9010, 0.5670, 0.3880



0.5556, 0.5235, 0.4226

Inverse Universe

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



15.4750, 0.1865, 0.1913



27.2382, 0.1859, 0.1890



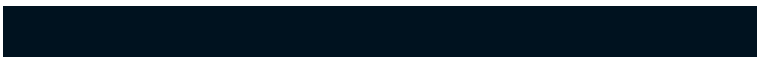
4.1357, 0.1519, 0.0667



10.1480, 0.2984, 0.3195



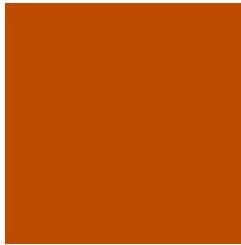
10.5669, 0.1870, 0.1932



0.5389, 0.1970, 0.2293

Previews

White Background



This preview shows how the Yxy color 15.9877, 0.5693, 0.3862 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 15.9877, 0.5693, 0.3862 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 15.9877, 0.5693, 0.3862

Background



This preview shows how black text looks on a background with the Yxy color 15.9877, 0.5693, 0.3862.



This preview shows how white text looks on a background with the Yxy color 15.9877, 0.5693, 0.3862.

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

15.9877, 0.5693, 0.3862

Protanopia

16.0710, 0.4328, 0.4792

Deuteranopia

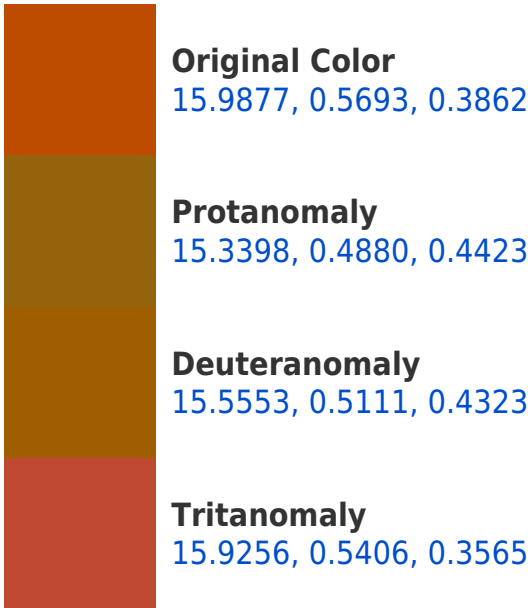
16.0589, 0.4713, 0.4640



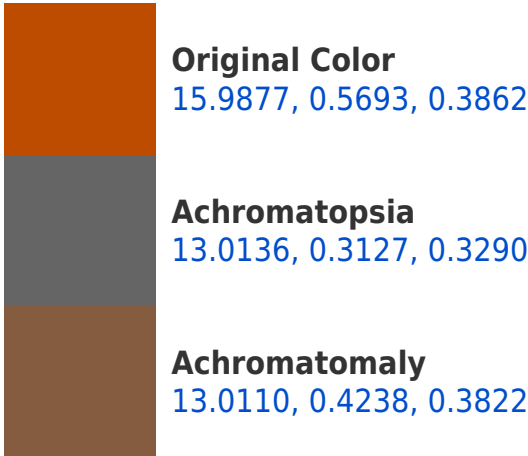
Tritanopia

16.0908, 0.5048, 0.3248

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9877, 0.5693, 0.3862 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(189, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 76, 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(189, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.9877, 0.5693, 0.3862 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(189, 76, 0) }
```

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

```
.border{ border-color:rgb(189, 76, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9877, 0.5693, 0.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 76, 0) }
```

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

```
.background{ background-color: rgb(189, 76,  
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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