

Converting Colors

$Y_{xy}(15.5224, 0.5897, 0.3987)$

Have a look what the booklet for
Yxy(15.5224, 0.5897, 0.3987)
contains.

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Color

Yxy(15.5889, 0.5716, 0.3843)

Conversions

Conversions Part 1

Format	Color
Hex	BC4A00
RGB	188, 74, 0
RGB Percent	74%, 29%, 0%
CMY	0.2628, 0.7097, 0.9997
CMYK	0.00, 0.61, 1.00, 0.26
HSL	24°, 100%, 37%
HSV	24°, 100%, 74%
XYZ	23.1866, 15.5889, 1.7889
YIQ	99.6500, 91.6980, 1.1540

Conversions

Conversions Part 2

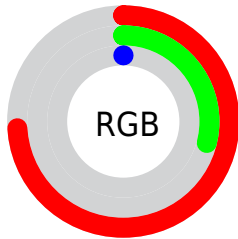
Format	Color
RYB	188, 122, 0
Decimal	12339712
CIELab	46.43, 43.32, 56.79
CIElCh	46, 71.431, 52.665
Yxy	15.5889, 0.5716, 0.3843
Android (android.graphics.Color)	4290529792 (0xFFBC4A00)
YUV	99.6500, -49.1274, 77.4830
Hunter-Lab	39.4828, 35.7308, 24.9516

Details

The Yxy color **15.5889, 0.5716, 0.3843** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.6769, 0.1874, 0.1946**, and the grayscale version is **12.7635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7364, 0.5212, 0.3880**, and **4.9014, 0.6215, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **15.5837, 0.5717, 0.3843**, and if you desaturate by 10%, it is **17.2995, 0.5471, 0.3922**.

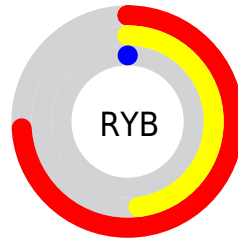
Distribution



Red (74%)

Green (29%)

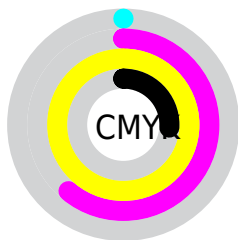
Blue (0%)



Red (74%)

Yellow (48%)

Blue (0%)

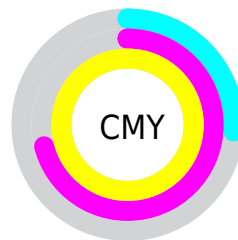


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.5889, 0.5716, 0.3843 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 15.5889, 0.5716, 0.3843 by changing the saturation by 10% instead.


 15.5889, 0.5716,
0.3843


 15.5889, 0.5716,
0.3843


 226.9035, 0.4302,
0.3737


 9.2337, 0.6061,
0.3768


 35.8830, 0.5207,
0.3879


 4.8939, 0.6427,
0.3573

 50.5908, 0.5010,
0.3867

 2.1852, 0.6812,
0.3188

 68.8515, 0.4843,
0.3848

 0.7119, 0.7456,
0.2544

 91.0496, 0.4702,
0.3826


 0.0000, 1.0000,
0.0000


 117.5694, 0.4580,
0.3803


 0.0000, 0.0000,
0.0000


 148.7954, 0.4475,

0.3780


 185.1120, 0.4383,
0.3758


 15.5889, 0.5716,
0.3843


 15.5889, 0.5716,
0.3843

 15.5837, 0.5717,
0.3843

 17.2995, 0.5471,
0.3922

 19.3439, 0.5183,
0.3957

 21.7520, 0.4865,
0.3942

 24.5442, 0.4542,
0.3886

 27.7388, 0.4233,
0.3802

■ 31.3528, 0.3950,
0.3703

■ 35.4018, 0.3699,
0.3597

■ 39.9010, 0.3479,
0.3490

■ 44.8644, 0.3289,
0.3387

Harmonies

Analogous

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



15.5889, 0.5586, 0.3046



15.5889, 0.5716, 0.3843



15.5889, 0.5022, 0.4781

Triad

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



15.5889, 0.5716, 0.3843



15.5889, 0.1716, 0.4515



15.5889, 0.1862, 0.1463

Complementary

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



15.5889, 0.5716, 0.3843



15.6769, 0.1874, 0.1946

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.



15.5889, 0.1256, 0.1466



15.5889, 0.5716, 0.3843



15.5889, 0.1148, 0.2805

Square

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



15.5889, 0.5716, 0.3843



15.5889, 0.2747, 0.5886



15.5889, 0.1031, 0.1837



15.5889, 0.2966, 0.1757

Rectangle

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



15.5889, 0.5716, 0.3843



15.5889, 0.4314, 0.5433



15.5889, 0.1031, 0.1837



15.5889, 0.1610, 0.1430

Sweetspot

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



15.5898, 0.5716, 0.3843



63.7581, 0.3711, 0.3602



11.9517, 0.4474, 0.2238



13.0281, 0.3814, 0.3647



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.



15.5898, 0.5716, 0.3843



27.8012, 0.5745, 0.3821



37.9873, 0.4414, 0.4877



10.1357, 0.3279, 0.3381



10.7472, 0.5695, 0.3860



0.5491, 0.5254, 0.4211

Inverse Universe

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



15.6769, 0.1874, 0.1946



27.9104, 0.1867, 0.1922



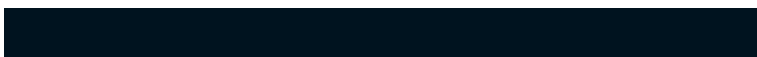
4.2046, 0.1524, 0.0684



10.1621, 0.2984, 0.3198



10.8181, 0.1879, 0.1963



0.5478, 0.1977, 0.2316

Previews

White Background



This preview shows how the Yxy color 15.5889, 0.5716, 0.3843 looks on a white background.

Color Contrast Check

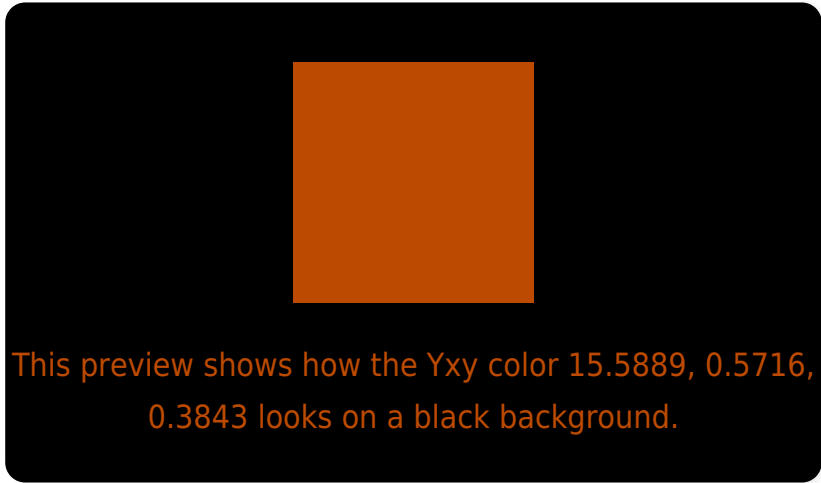
Large Text (above 18pt) WCAG AA ✓ Pass

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

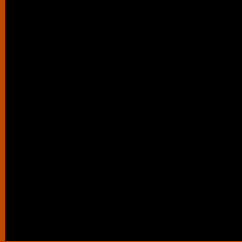
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5889, 0.5716, 0.3843

Background



This preview shows how black text looks on a background with the Yxy color 15.5889, 0.5716, 0.3843.



This preview shows how white text looks on a background with the Yxy color 15.5889, 0.5716, 0.3843.

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

15.5889, 0.5716, 0.3843

Protanopia

15.7759, 0.4328, 0.4789

Deuteranopia

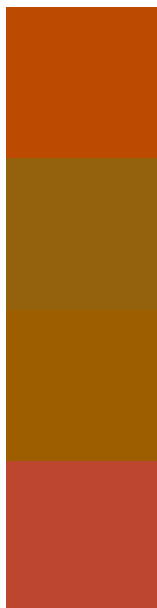
15.6786, 0.4703, 0.4648



Tritanopia

15.6844, 0.5088, 0.3248

Trichromacy



Original Color

15.5889, 0.5716, 0.3843

Protanomaly

15.0578, 0.4884, 0.4418

Deuteranomaly

15.1735, 0.5107, 0.4327

Tritanomaly

15.5226, 0.5445, 0.3561

Monochromacy



Original Color

15.5889, 0.5716, 0.3843

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.7579, 0.4233, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5889, 0.5716, 0.3843 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(188, 74, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 74, 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(188, 74, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 74, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.5889, 0.5716, 0.3843 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(188, 74, 0) }
```

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

```
.border{ border-color:rgb(188, 74, 0) }
```

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

Here you see how a box with a 4 pixel rgb(188, 74, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 74, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 74, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 74, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.5889, 0.5716, 0.3843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 74, 0) }
```

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

```
.background{ background-color: rgb(188, 74,  
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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