

Converting Colors

$Y_{xy}(15.8815, 0.5751, 0.3816)$

Have a look what the booklet for
Yxy(15.8815, 0.5751, 0.3816)
contains.

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Color

Yxy(15.8415, 0.5750, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	BF4900
RGB	191, 73, 0
RGB Percent	75%, 29%, 0%
CMY	0.2510, 0.7137, 0.9997
CMYK	0.00, 0.62, 1.00, 0.25
HSL	23°, 100%, 37%
HSV	23°, 100%, 75%
XYZ	23.8702, 15.8415, 1.8017
YIQ	99.9600, 93.7610, 2.3130

Conversions

Conversions Part 2

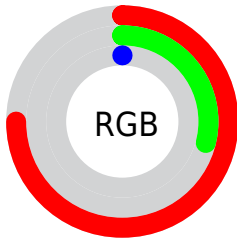
Format	Color
R_{YB}	191, 118, 0
Decimal	12536064
CIE Lab	46.77, 44.92, 57.25
CIE LCh	47, 72.769, 51.885
Yxy	15.8415, 0.5750, 0.3816
Android (android.graphics.Color)	4290726144 (0xFFBF4900)
YUV	99.9600, -49.2803, 79.8421
Hunter-Lab	39.8014, 37.3998, 25.1771

Details

The Yxy color **15.8415, 0.5750, 0.3816** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **16.7388, 0.1885, 0.1985**, and the grayscale version is **12.8459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4975, 0.5234, 0.3860**, and **5.0377, 0.6258, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **15.8362, 0.5751, 0.3816**, and if you desaturate by 10%, it is **17.5912, 0.5503, 0.3897**.

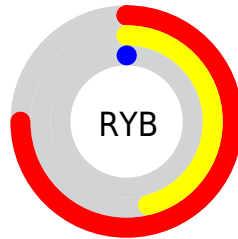
Distribution



Red (75%)

Green (29%)

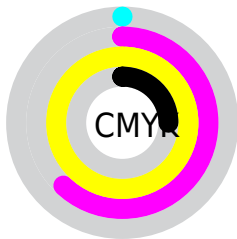
Blue (0%)



Red (75%)

Yellow (46%)

Blue (0%)

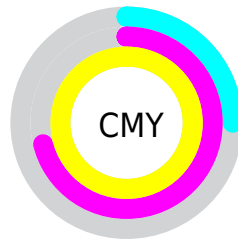


Cyan (0%)

Magenta (62%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8415, 0.5750, 0.3816 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 15.8415, 0.5750, 0.3816 by changing the saturation by 10% instead.


 15.8415, 0.5750,
0.3816


 15.8415, 0.5750,
0.3816


 228.4046, 0.4322,
0.3731


 9.4121, 0.6095,
0.3735


 36.3228, 0.5237,
0.3860


 5.0109, 0.6464,
0.3536

 51.1435, 0.5038,
0.3852

 2.2537, 0.6852,
0.3148

 69.5300, 0.4870,
0.3835

 0.7490, 0.7482,
0.2518

 91.8669, 0.4727,
0.3815


 0.0000, 1.0000,
0.0000


 118.5383, 0.4603,
0.3793


 0.0000, 0.0000,
0.0000


 149.9288, 0.4497,


0.3772

 186.4228, 0.4404,
0.3751


 15.8415, 0.5750,
0.3816


 15.8415, 0.5750,
0.3816

 15.8362, 0.5751,
0.3816

 17.5912, 0.5503,
0.3897

 19.6965, 0.5210,
0.3934

 22.1894, 0.4886,
0.3922

 25.0919, 0.4557,
0.3869

 28.4237, 0.4243,
0.3788

■ 32.2033, 0.3956,
0.3692

■ 36.4477, 0.3702,
0.3588

■ 41.1731, 0.3480,
0.3484

■ 46.3948, 0.3290,
0.3384

Harmonies

Analogous

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



15.8415, 0.5598, 0.3019



15.8415, 0.5750, 0.3816



15.8415, 0.5059, 0.4760

Triad

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



15.8415, 0.5750, 0.3816



15.8415, 0.1720, 0.4581



15.8415, 0.1827, 0.1443

Complementary

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



15.8415, 0.5750, 0.3816



16.7388, 0.1885, 0.1985

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.



15.8415, 0.1230, 0.1454



15.8415, 0.5750, 0.3816



15.8415, 0.1137, 0.2832

Square

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



15.8415, 0.5750, 0.3816



15.8415, 0.2766, 0.5939



15.8415, 0.1013, 0.1837



15.8415, 0.2927, 0.1731

Rectangle

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



15.8415, 0.5750, 0.3816



15.8415, 0.4347, 0.5427



15.8415, 0.1013, 0.1837



15.8415, 0.1578, 0.1412

Sweetspot

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



15.8424, 0.5750, 0.3816



64.8612, 0.3714, 0.3594



12.4594, 0.4408, 0.2202



13.5117, 0.3819, 0.3638



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



15.8424, 0.5750, 0.3816



27.9275, 0.5778, 0.3794



38.1864, 0.4450, 0.4849



10.1176, 0.3279, 0.3378



10.5514, 0.5727, 0.3835



0.5406, 0.5278, 0.4191

Inverse Universe

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



16.7388, 0.1885, 0.1985



29.4795, 0.1879, 0.1963



4.4806, 0.1528, 0.0701



10.1807, 0.2984, 0.3200



11.1543, 0.1890, 0.2004



0.5596, 0.1985, 0.2346

Previews

White Background



This preview shows how the Yxy color 15.8415, 0.5750, 0.3816 looks on a white background.

Color Contrast Check

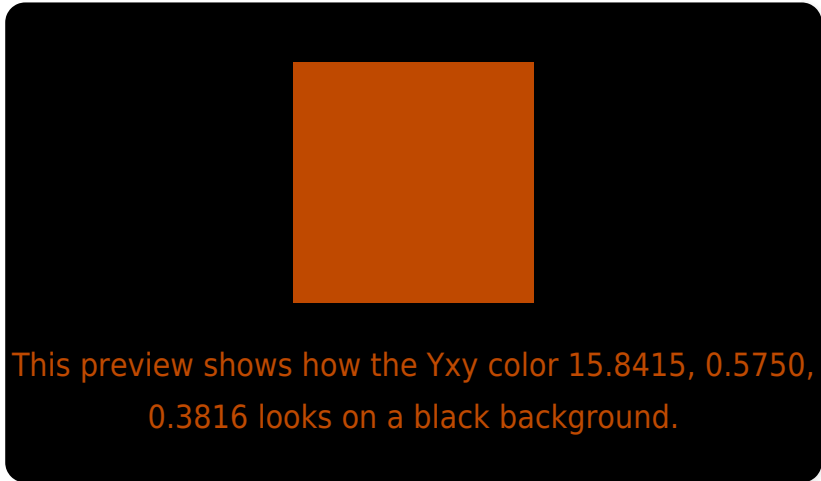
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8415, 0.5750, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 15.8415, 0.5750, 0.3816.



This preview shows how white text looks on a background with the Yxy color 15.8415, 0.5750, 0.3816.

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

15.8415, 0.5750, 0.3816

Protanopia

16.0710, 0.4328, 0.4792

Deuteranopia

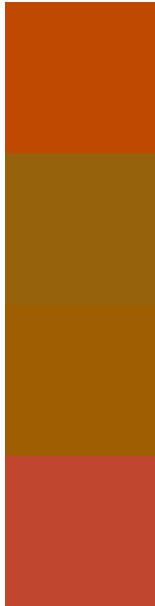
15.9708, 0.4699, 0.4651



Tritanopia

15.9396, 0.5144, 0.3250

Trichromacy



Original Color

15.8415, 0.5750, 0.3816

Protanomaly

15.2459, 0.4909, 0.4400

Deuteranomaly

15.3763, 0.5129, 0.4309

Tritanomaly

15.7840, 0.5482, 0.3543

Monochromacy



Original Color

15.8415, 0.5750, 0.3816

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.6690, 0.4259, 0.3785

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8415, 0.5750, 0.3816 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(191, 73, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 73, 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(191, 73, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 73, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.8415, 0.5750, 0.3816 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(191, 73, 0) }
```

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

```
.border{ border-color:rgb(191, 73, 0) }
```

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

Here you see how a box with a 4 pixel rgb(191, 73, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 73, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 73, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 73, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.8415, 0.5750, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 73, 0) }
```

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

```
.background{ background-color: rgb(191, 73,  
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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