

Converting Colors

$Yxy(15.7147, 0.5681, 0.3871)$

Have a look what the booklet for
Yxy(15.7147, 0.5681, 0.3871)
contains.

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Color

Yxy(15.7337, 0.5680, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	BB4C00
RGB	187, 76, 0
RGB Percent	73%, 30%, 0%
CMY	0.2666, 0.7020, 1.0000
CMYK	0.00, 0.59, 1.00, 0.27
HSL	24°, 100%, 37%
HSV	24°, 100%, 73%
XYZ	23.0804, 15.7337, 1.8204
YIQ	100.5250, 90.5520, -0.1040

Conversions

Conversions Part 2

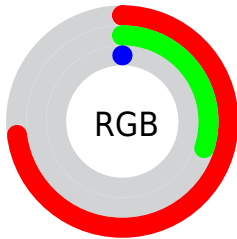
Format	Color
RYB	187, 128, 0
Decimal	12274688
CIELab	46.62, 42.01, 56.83
CIElCh	47, 70.674, 53.525
Yxy	15.7337, 0.5680, 0.3872
Android (android.graphics.Color)	4290464768 (0xFFBB4C00)
YUV	100.5250, -49.5588, 75.8386
Hunter-Lab	39.6657, 34.4494, 25.0449

Details

The Yxy color **15.7337, 0.5680, 0.3872** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **14.9619, 0.1861, 0.1900**, and the grayscale version is **12.9977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0781, 0.5177, 0.3897**, and **5.0484, 0.6161, 0.3490** is the 20% darker color. If you saturate the color by 10%, you get **15.7343, 0.5680, 0.3872**, and if you desaturate by 10%, it is **17.4445, 0.5439, 0.3949**.

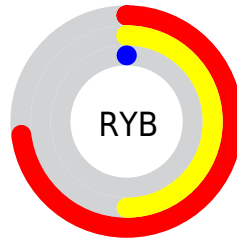
Distribution



Red (73%)

Green (30%)

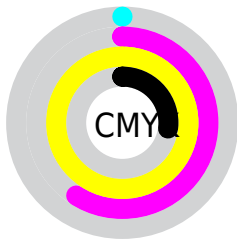
Blue (0%)



Red (73%)

Yellow (50%)

Blue (0%)

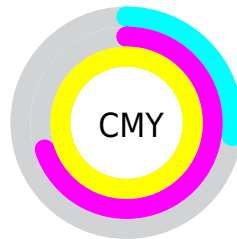


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (70%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7337, 0.5680, 0.3872 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 15.7337, 0.5680, 0.3872 by changing the saturation by 10% instead.


 15.7337, 0.5680,
0.3872

 15.7337, 0.5680,
0.3872


 227.7652, 0.4288,
0.3746


 9.3359, 0.6018,
0.3803


 36.1353, 0.5179,
0.3899


 4.9609, 0.6381,
0.3619

 50.9078, 0.4985,
0.3885


 2.2244, 0.6756,
0.3244

 69.2408, 0.4821,
0.3863

 0.7332, 0.7380,
0.2620

 91.5185, 0.4681,
0.3839

 0.0000, 1.0000,
0.0000


 118.1255, 0.4561,
0.3815

 0.0000, 0.0000,
0.0000


 149.4459, 0.4457,

0.3791

 185.8644, 0.4367,
0.3768


 15.7337, 0.5680,
0.3872

 15.7337, 0.5680,
0.3872

 15.7343, 0.5680,
0.3872

 17.4445, 0.5439,
0.3949

 19.4752, 0.5157,
0.3982

 21.8546, 0.4845,
0.3964

 24.6018, 0.4528,
0.3905

 27.7343, 0.4224,
0.3819

■ 31.2680, 0.3945,
0.3716

■ 35.2179, 0.3696,
0.3607

■ 39.5980, 0.3478,
0.3497

■ 44.4218, 0.3290,
0.3390

Harmonies

Analogous

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



15.7337, 0.5574, 0.3076



15.7337, 0.5680, 0.3872



15.7337, 0.4981, 0.4802

Triad

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



15.7337, 0.5680, 0.3872



15.7337, 0.1711, 0.4444



15.7337, 0.1900, 0.1483

Complementary

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



15.7337, 0.5680, 0.3872



14.9619, 0.1861, 0.1900

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.



15.7337, 0.1284, 0.1479



15.7337, 0.5680, 0.3872



15.7337, 0.1158, 0.2776

Square

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



15.7337, 0.5680, 0.3872



15.7337, 0.2725, 0.5828



15.7337, 0.1051, 0.1837



15.7337, 0.3008, 0.1784

Rectangle

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



15.7337, 0.5680, 0.3872



15.7337, 0.4278, 0.5440



15.7337, 0.1051, 0.1837



15.7337, 0.1645, 0.1448

Sweetspot

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



15.7346, 0.5680, 0.3872



62.7037, 0.3708, 0.3612



11.7410, 0.4542, 0.2276



13.1316, 0.3810, 0.3659



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.



15.7346, 0.5680, 0.3872



27.7392, 0.5707, 0.3851



38.6870, 0.4380, 0.4904



10.1558, 0.3278, 0.3384



10.9736, 0.5659, 0.3889



0.5587, 0.5226, 0.4232

Inverse Universe

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



14.9619, 0.1861, 0.1900



26.3153, 0.1855, 0.1877



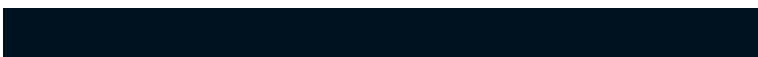
4.0442, 0.1519, 0.0668



10.1415, 0.2984, 0.3195



10.4519, 0.1866, 0.1918



0.5348, 0.1967, 0.2282

Previews

White Background



This preview shows how the Yxy color 15.7337, 0.5680, 0.3872 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 15.7337, 0.5680, 0.3872 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 15.7337, 0.5680, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 15.7337, 0.5680, 0.3872.



This preview shows how white text looks on a background with the Yxy color 15.7337, 0.5680, 0.3872.

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

15.7337, 0.5680, 0.3872

Protanopia

15.9920, 0.4318, 0.4809

Deuteranopia

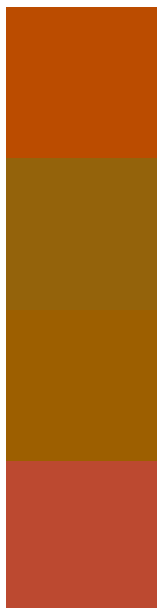
15.8835, 0.4686, 0.4661



Tritanopia

15.8333, 0.5026, 0.3247

Trichromacy



Original Color

15.7337, 0.5680, 0.3872

Protanomaly

15.2437, 0.4871, 0.4437

Deuteranomaly

15.3525, 0.5089, 0.4341

Tritanomaly

15.6699, 0.5389, 0.3570

Monochromacy



Original Color

15.7337, 0.5680, 0.3872

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9300, 0.4222, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7337, 0.5680, 0.3872 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(187, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 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(187, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 76, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.7337, 0.5680, 0.3872 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(187, 76, 0) }
```

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

```
.border{ border-color:rgb(187, 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(187, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 76, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7337, 0.5680, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 76, 0) }
```

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

```
.background{ background-color: rgb(187, 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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