

Converting Colors

$Y_{xy}(16.0195, 0.5632, 0.3845)$

Have a look what the booklet for
Yxy(16.0195, 0.5632, 0.3845)
contains.

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Color

Yxy(16.0233, 0.5631, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	BC4D0B
RGB	188, 77, 11
RGB Percent	74%, 30%, 4%
CMY	0.2627, 0.6980, 0.9567
CMYK	0.00, 0.59, 0.94, 0.26
HSL	22°, 89%, 39%
HSV	22°, 94%, 74%
XYZ	23.4539, 16.0233, 2.1742
YIQ	102.6650, 87.3420, 3.0060

Conversions

Conversions Part 2

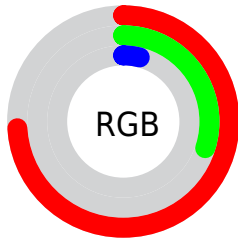
Format	Color
R_{YB}	188, 116, 11
Decimal	12340491
CIE Lab	47.01, 42.04, 54.37
CIE LCh	47, 68.728, 52.288
Yxy	16.0233, 0.5631, 0.3847
Android (android.graphics.Color)	4290530571 (0xFFBC4D0B)
YUV	102.6650, -45.1908, 74.8388
Hunter-Lab	40.0291, 34.5360, 24.8000

Details

The Yxy color **16.0233, 0.5631, 0.3847** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.6292, 0.1928, 0.2100**, and the grayscale version is **13.5764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5914, 0.5132, 0.3865**, and **5.1653, 0.6150, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **15.0823, 0.5774, 0.3797**, and if you desaturate by 10%, it is **17.8954, 0.5355, 0.3907**.

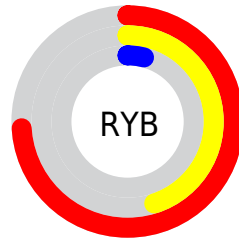
Distribution



Red (74%)

Green (30%)

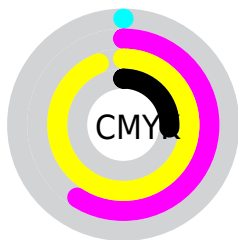
Blue (4%)



Red (74%)

Yellow (45%)

Blue (4%)

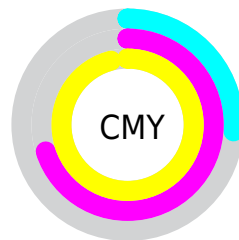


Cyan (0%)

Magenta (59%)

Yellow (94%)

Black (26%)



Cyan (26%)


Magenta (70%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0233, 0.5631, 0.3847 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 16.0233, 0.5631, 0.3847 by changing the saturation by 10% instead.


 16.0233, 0.5631,
0.3847


 16.0233, 0.5631,
0.3847


229.4792, 0.4255,
0.3719


 9.5406, 0.5961,
0.3778


 36.6387, 0.5129,
0.3867


 5.0955, 0.6370,
0.3630

 51.5401, 0.4938,
0.3852


 2.3034, 0.6739,
0.3261

 70.0167, 0.4776,
0.3831

 0.7755, 0.7341,
0.2659

 92.4527, 0.4639,
0.3807


 0.0000, 1.0000,
0.0000


 119.2325, 0.4522,
0.3784


 0.0000, 0.0000,
0.0000

 150.7406, 0.4420,


0.3761


 187.3614, 0.4332,
0.3739

 16.0233, 0.5631,
0.3847

 16.0233, 0.5631,
0.3847


 15.0823, 0.5774,
0.3797

 17.8954, 0.5355,
0.3907

 20.1378, 0.5036,
0.3916

 22.7745, 0.4702,
0.3880

 25.8257, 0.4377,
0.3811

 29.3103, 0.4075,
0.3722

■ 33.2458, 0.3806,
0.3623

■ 37.6487, 0.3570,
0.3522

■ 42.5343, 0.3366,
0.3422

■ 47.9175, 0.3192,
0.3327

Harmonies

Analogous

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



16.0233, 0.5473, 0.3063



16.0233, 0.5631, 0.3847



16.0233, 0.4986, 0.4746

Triad

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



16.0233, 0.5631, 0.3847



16.0233, 0.1789, 0.4476



16.0233, 0.1899, 0.1517

Complementary

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



16.0233, 0.5631, 0.3847



17.6292, 0.1928, 0.2100

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.



16.0233, 0.1309, 0.1528



16.0233, 0.5631, 0.3847



16.0233, 0.1219, 0.2855

Square

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



16.0233, 0.5631, 0.3847



16.0233, 0.2799, 0.5757



16.0233, 0.1093, 0.1904



16.0233, 0.2962, 0.1802

Rectangle

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



16.0233, 0.5631, 0.3847



16.0233, 0.4315, 0.5360



16.0233, 0.1093, 0.1904



16.0233, 0.1654, 0.1487

Sweetspot

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



16.0242, 0.5631, 0.3847



64.6722, 0.3668, 0.3566



12.3646, 0.4312, 0.2181



13.1778, 0.3772, 0.3610



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.



16.0242, 0.5631, 0.3847



26.9027, 0.5802, 0.3775



37.4123, 0.4418, 0.4840



10.1034, 0.3279, 0.3376



10.4007, 0.5752, 0.3815



0.5339, 0.5298, 0.4175

Inverse Universe

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



17.6292, 0.1928, 0.2100



29.5411, 0.1888, 0.1997



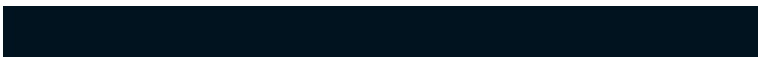
4.8827, 0.1564, 0.0779



10.1954, 0.2985, 0.3202



11.4267, 0.1899, 0.2036



0.5691, 0.1992, 0.2371

Previews

White Background



This preview shows how the Yxy color 16.0233, 0.5631, 0.3847 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 16.0233, 0.5631, 0.3847 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 16.0233, 0.5631, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 16.0233, 0.5631, 0.3847.



This preview shows how white text looks on a background with the Yxy color 16.0233, 0.5631, 0.3847.

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

16.0233, 0.5631, 0.3847

Protanopia

16.0819, 0.4313, 0.4769

Deuteranopia

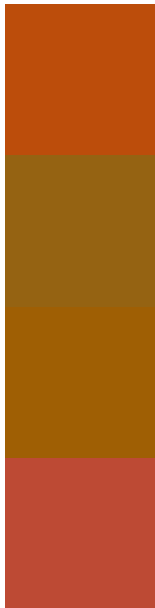
16.0589, 0.4713, 0.4640



Tritanopia

16.1037, 0.5012, 0.3247

Trichromacy



Original Color

16.0233, 0.5631, 0.3847

Protanomaly

15.3569, 0.4852, 0.4392

Deuteranomaly

15.5641, 0.5097, 0.4308

Tritanomaly

15.9643, 0.5336, 0.3541

Monochromacy



Original Color

16.0233, 0.5631, 0.3847

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5159, 0.4142, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0233, 0.5631, 0.3847 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, 77, 11)` looks like.

```
.text, #text, p{  
  color:rgb(188, 77, 11)  
}
```

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, 77, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 77, 11) }
```

Border

The CSS property to change the border of an element to Yxy 16.0233, 0.5631, 0.3847 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, 77, 11) }
```

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

```
.border{ border-color:rgb(188, 77, 11) }
```

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

Here you see how a box with a 4 pixel rgb(188, 77, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 77, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 77, 11);  
box-shadow:4px 4px 4px 4px rgb(188, 77,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0233, 0.5631, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 77, 11) }
```

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

```
.background{ background-color: rgb(188, 77,  
11) }
```

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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