

Converting Colors

$Y_{xy}(16.1556, 0.5669, 0.3881)$

Have a look what the booklet for
Yxy(16.1556, 0.5669, 0.3881)
contains.

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Color

Yxy(16.1266, 0.5678, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	BD4D00
RGB	189, 77, 0
RGB Percent	74%, 30%, 0%
CMY	0.2588, 0.6981, 0.9996
CMYK	0.00, 0.59, 1.00, 0.26
HSL	24°, 100%, 37%
HSV	24°, 100%, 74%
XYZ	23.6424, 16.1266, 1.8696
YIQ	101.7100, 91.4690, -0.2030

Conversions

Conversions Part 2

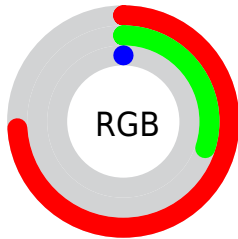
Format	Color
R _Y B	189, 130, 0
Decimal	12406016
CIE Lab	47.14, 42.30, 57.27
CIE LCh	47, 71.192, 53.551
Yxy	16.1266, 0.5678, 0.3873
Android (android.graphics.Color)	4290596096 (0xFFBD4D00)
YUV	101.7100, -50.1430, 76.5533
Hunter-Lab	40.1579, 34.8127, 25.3503

Details

The Yxy color **16.1266, 0.5678, 0.3873** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **15.2893, 0.1861, 0.1897**, and the grayscale version is **13.3260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7117, 0.5182, 0.3899**, and **5.1653, 0.6150, 0.3499** is the 20% darker color. If you saturate the color by 10%, you get **16.1186, 0.5679, 0.3873**, and if you desaturate by 10%, it is **17.8800, 0.5438, 0.3950**.

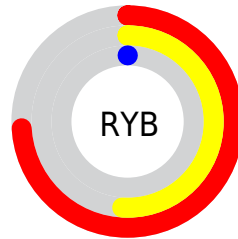
Distribution



Red (74%)

Green (30%)

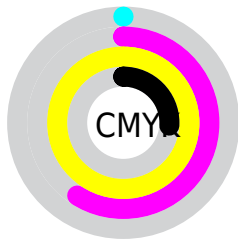
Blue (0%)



Red (74%)

Yellow (51%)

Blue (0%)

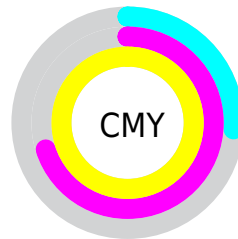


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1266, 0.5678, 0.3873 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 16.1266, 0.5678, 0.3873 by changing the saturation by 10% instead.


 16.1266, 0.5678,
0.3873


 16.1266, 0.5678,
0.3873


 230.0876, 0.4292,
0.3748


 9.6138, 0.6010,
0.3803


 36.8178, 0.5180,
0.3900

 5.1436, 0.6374,
0.3626

 51.7651, 0.4988,
0.3886

 2.3318, 0.6742,
0.3258

 70.2925, 0.4824,
0.3864

 0.7905, 0.7338,
0.2662

 92.7847, 0.4685,
0.3841


 0.0000, 1.0000,
0.0000

 119.6259, 0.4565,
0.3816

 0.0000, 0.0000,
0.0000


 151.2005, 0.4462,

0.3792

 187.8929, 0.4371,
0.3770


 16.1266, 0.5678,
0.3873


 16.1266, 0.5678,
0.3873


 16.1186, 0.5679,
0.3873

 17.8800, 0.5438,
0.3950

 19.9612, 0.5156,
0.3983

 22.3994, 0.4844,
0.3965

 25.2142, 0.4527,
0.3906

 28.4235, 0.4223,
0.3820

■ 32.0435, 0.3944,
0.3717

■ 36.0896, 0.3695,
0.3607

■ 40.5761, 0.3477,
0.3496

■ 45.5169, 0.3289,
0.3390

Harmonies

Analogous

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



16.1266, 0.5573, 0.3077



16.1266, 0.5678, 0.3873



16.1266, 0.4979, 0.4802

Triad

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



16.1266, 0.5678, 0.3873



16.1266, 0.1711, 0.4442



16.1266, 0.1901, 0.1484

Complementary

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



16.1266, 0.5678, 0.3873



15.2893, 0.1861, 0.1897

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.



16.1266, 0.1286, 0.1480



16.1266, 0.5678, 0.3873



16.1266, 0.1159, 0.2776

Square

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



16.1266, 0.5678, 0.3873



16.1266, 0.2725, 0.5825



16.1266, 0.1052, 0.1838



16.1266, 0.3010, 0.1786

Rectangle

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



16.1266, 0.5678, 0.3873



16.1266, 0.4276, 0.5439



16.1266, 0.1052, 0.1838



16.1266, 0.1646, 0.1449

Sweetspot

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



16.1275, 0.5678, 0.3873



64.2220, 0.3708, 0.3613



12.0246, 0.4542, 0.2276



13.1372, 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.



16.1275, 0.5678, 0.3873



28.4228, 0.5706, 0.3851



39.6141, 0.4380, 0.4904



10.1569, 0.3278, 0.3384



10.9860, 0.5657, 0.3890



0.5593, 0.5225, 0.4234

Inverse Universe

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



15.2893, 0.1861, 0.1897



26.8788, 0.1854, 0.1873



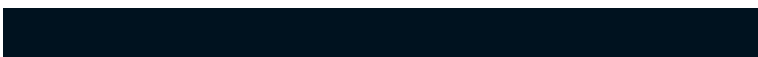
4.1408, 0.1519, 0.0668



10.1404, 0.2984, 0.3194



10.4324, 0.1866, 0.1915



0.5341, 0.1967, 0.2280

Previews

White Background



This preview shows how the Yxy color 16.1266, 0.5678, 0.3873 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 16.1266, 0.5678, 0.3873 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 16.1266, 0.5678, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 16.1266, 0.5678, 0.3873.



This preview shows how white text looks on a background with the Yxy color 16.1266, 0.5678, 0.3873.

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

16.1266, 0.5678, 0.3873

Protanopia

16.3660, 0.4332, 0.4801

Deuteranopia

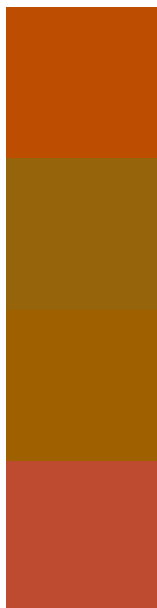
16.2662, 0.4696, 0.4654



Tritanopia

16.2329, 0.5023, 0.3247

Trichromacy



Original Color

16.1266, 0.5678, 0.3873

Protanomaly

15.6225, 0.4879, 0.4433

Deuteranomaly

15.7367, 0.5094, 0.4337

Tritanomaly

16.0581, 0.5394, 0.3577

Monochromacy



Original Color

16.1266, 0.5678, 0.3873

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.2787, 0.4228, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1266, 0.5678, 0.3873 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, 77, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 77, 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, 77, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 77, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1266, 0.5678, 0.3873 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, 77, 0) }
```

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

```
.border{ border-color:rgb(189, 77, 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, 77, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 77, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 77, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 77, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1266, 0.5678, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 77, 0) }
```

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

```
.background{ background-color: rgb(189, 77,  
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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