

Converting Colors

$Y_{xy}(16.8033, 0.5045, 0.4009)$

Have a look what the booklet for
Yxy(16.8033, 0.5045, 0.4009)
contains.

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Color

Yxy(16.8033, 0.5045, 0.4009)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AB5E26 |
| RGB | 171, 94, 38 |
| RGB Percent | 67%, 37%, 15% |
| CMY | 0.3295, 0.6313, 0.8509 |
| CMYK | 0.00, 0.45, 0.78, 0.33 |
| HSL | 25°, 64%, 41% |
| HSV | 25°, 78%, 67% |
| XYZ | 21.1456, 16.8033, 3.9651 |
| YIQ | 110.6390, 63.8680, -1.0920 |

Conversions

Conversions Part 2

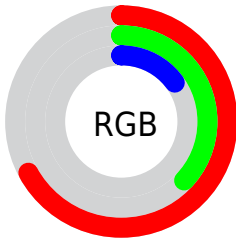
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 171, 135, 38 |
| Decimal | 11230758 |
| CIE _{Lab} | 48.01, 27.06, 44.07 |
| CIE _{LCh} | 48, 51.716, 58.453 |
| Yxy | 16.8033, 0.5045, 0.4009 |
| Android (android.graphics.Color) | 4289420838 (0xFFAB5E26) |
| YUV | 110.6390, -35.8110, 52.9366 |
| Hunter-Lab | 40.9918, 20.3433, 22.9593 |

Details

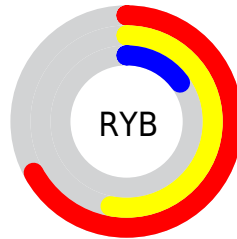
The Yxy color **16.8033, 0.5045, 0.4009** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **15.6154, 0.2021, 0.2209**, and the grayscale version is **15.8798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9278, 0.4633, 0.3922**, and **5.4647, 0.5604, 0.3933** is the 20% darker color. If you saturate the color by 10%, you get **15.0686, 0.5329, 0.3994**, and if you desaturate by 10%, it is **18.8164, 0.4739, 0.3976**.

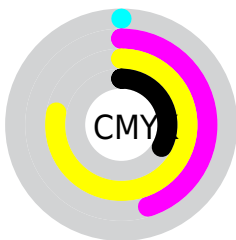
Distribution



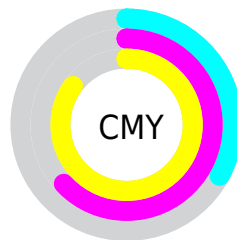
- Red (67%)
- Green (37%)
- Blue (15%)



- Red (67%)
- Yellow (53%)
- Blue (15%)



- Cyan (0%)
- Magenta (45%)
- Yellow (78%)
- Black (33%)





- Cyan (33%)
- Magenta (63%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8033, 0.5045, 0.4009 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 16.8033, 0.5045, 0.4009 by changing the saturation by 10% instead.


 16.8033, 0.5045,
0.4009


 16.8033, 0.5045,
0.4009


234.0363, 0.3964,
0.3699


 10.0943, 0.5328,
0.4031


 37.9873, 0.4633,
0.3927


 5.4616, 0.5736,
0.4045

 53.2311, 0.4483,
0.3885


 2.5205, 0.6124,
0.3876

 72.0886, 0.4358,
0.3846

 0.8869, 0.6561,
0.3439

 94.9443, 0.4253,
0.3810

 0.0000, 1.0000,
0.0000

 122.1825, 0.4164,
0.3778

 0.0000, 0.0000,
0.0000

 154.1877, 0.4088,

0.3749

191.3441, 0.4022,
0.3723

16.8033, 0.5045,
0.4009

16.8033, 0.5045,
0.4009

15.0686, 0.5329,
0.3994

18.8164, 0.4739,
0.3976

13.5910, 0.5574,
0.3930

21.1193, 0.4432,
0.3906

13.2905, 0.5627,
0.3914

23.7260, 0.4141,
0.3811

26.6484, 0.3875,
0.3703

29.8978, 0.3638,
0.3590

■ 33.4847, 0.3430,
0.3478

■ 37.4193, 0.3250,
0.3369

■ 41.7111, 0.3094,
0.3268

■ 46.3695, 0.2960,
0.3173

Harmonies

Analogous

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



16.8033, 0.4986, 0.3320



16.8033, 0.5045, 0.4009



16.8033, 0.4534, 0.4698

Triad

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



16.8033, 0.5045, 0.4009



16.8033, 0.1994, 0.3909



16.8033, 0.2321, 0.1889

Complementary

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



16.8033, 0.5045, 0.4009



15.6154, 0.2021, 0.2209

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.



16.8033, 0.1739, 0.1857



16.8033, 0.5045, 0.4009



16.8033, 0.1561, 0.2819

Square

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



16.8033, 0.5045, 0.4009



16.8033, 0.2775, 0.4921



16.8033, 0.1490, 0.2136



16.8033, 0.3234, 0.2181

Rectangle

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



16.8033, 0.5045, 0.4009



16.8033, 0.4000, 0.5056



16.8033, 0.1490, 0.2136



16.8033, 0.2088, 0.1848

Sweetspot

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



16.8042, 0.5045, 0.4009



56.2745, 0.3544, 0.3541



11.2961, 0.4173, 0.2287



12.0562, 0.3620, 0.3581



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.8042, 0.5045, 0.4009



25.1236, 0.5500, 0.3953



33.9063, 0.4217, 0.4815



8.5488, 0.3276, 0.3386



10.1203, 0.5610, 0.3927



0.3913, 0.5080, 0.4349

Inverse Universe

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



15.6154, 0.2021, 0.2209



22.6941, 0.1884, 0.1941



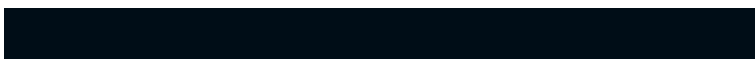
5.5583, 0.1716, 0.1031



8.4983, 0.2986, 0.3192



9.0497, 0.1854, 0.1873



0.3569, 0.1986, 0.2349

Previews

White Background



This preview shows how the Yxy color 16.8033, 0.5045, 0.4009 looks on a white background.

Color Contrast Check

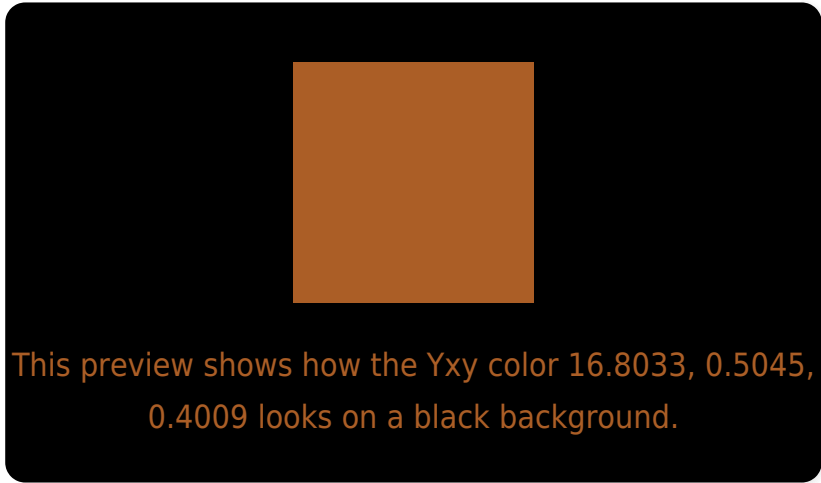
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8033, 0.5045, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 16.8033, 0.5045, 0.4009.



This preview shows how white text looks on a background with the Yxy color 16.8033, 0.5045, 0.4009.

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

16.8033, 0.5045, 0.4009

Protanopia

17.0325, 0.4144, 0.4557

Deuteranopia

16.9764, 0.4535, 0.4464



Tritanopia

16.7863, 0.4385, 0.3205

Trichromacy



Original Color

16.8033, 0.5045, 0.4009

Protanomaly

16.6118, 0.4487, 0.4339

Deuteranomaly

16.8920, 0.4723, 0.4293

Tritanomaly

16.6910, 0.4673, 0.3525

Monochromacy



Original Color

16.8033, 0.5045, 0.4009

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.7298, 0.3830, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8033, 0.5045, 0.4009 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(171, 94, 38)` looks like.

```
.text, #text, p{  
    color:rgb(171, 94, 38)  
}
```

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(171, 94, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 94, 38) }
```

Border

The CSS property to change the border of an element to Yxy 16.8033, 0.5045, 0.4009 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(171, 94, 38) }
```

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

```
.border{ border-color:rgb(171, 94, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 94, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 94, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 94, 38);  
box-shadow:4px 4px 4px 4px rgb(171, 94,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8033, 0.5045, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 94, 38) }
```

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

```
.background{ background-color: rgb(171, 94,  
38) }
```

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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