

Converting Colors

$Y_{xy}(16.8726, 0.5479, 0.4031)$

Have a look what the booklet for
Yxy(16.8726, 0.5479, 0.4031)
contains.

Yxy(16.8837, 0.5478, 0.4032)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8837, 0.5478, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	B75700
RGB	183, 87, 0
RGB Percent	72%, 34%, 0%
CMY	0.2823, 0.6588, 0.9997
CMYK	0.00, 0.52, 1.00, 0.28
HSL	29°, 100%, 36%
HSV	29°, 100%, 72%
XYZ	22.9387, 16.8837, 2.0518
YIQ	105.7860, 85.1430, -6.7050

Conversions

Conversions Part 2

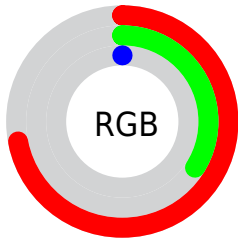
Format	Color
R _Y B	183, 166, 0
Decimal	12015360
CIE Lab	48.11, 34.95, 57.32
CIE LCh	48, 67.134, 58.626
Yxy	16.8837, 0.5478, 0.4032
Android (android.graphics.Color)	4290205440 (0xFFB75700)
YUV	105.7860, -52.1525, 67.7167
Hunter-Lab	41.0898, 27.7420, 25.8022

Details

The Yxy color **16.8837, 0.5478, 0.4032** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.8008, 0.1796, 0.1663**, and the grayscale version is **14.4820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2040, 0.5019, 0.4020**, and **5.5972, 0.5879, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **16.8783, 0.5479, 0.4032**, and if you desaturate by 10%, it is **18.5895, 0.5261, 0.4096**.

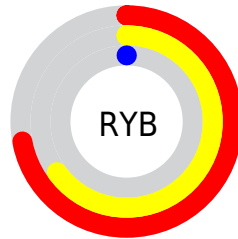
Distribution



Red (72%)

Green (34%)

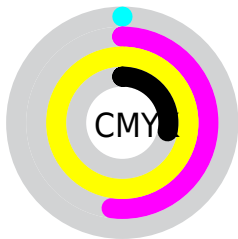
Blue (0%)



Red (72%)

Yellow (65%)

Blue (0%)

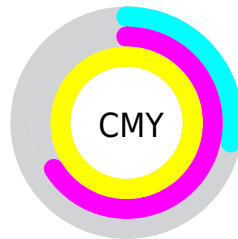


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (28%)



Cyan (28%)


Magenta (66%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8837, 0.5478, 0.4032 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 16.8837, 0.5478, 0.4032 by changing the saturation by 10% instead.


 16.8837, 0.5478,
0.4032


 16.8837, 0.5478,
0.4032

 234.5013, 0.4209,
0.3797


 10.1516, 0.5773,
0.3996


 38.1257, 0.5024,
0.4010


 5.4996, 0.6119,
0.3881

 53.4044, 0.4847,
0.3980

 2.5433, 0.6431,
0.3569

 72.3008, 0.4698,
0.3947

 0.8982, 0.6940,
0.3060

 95.1992, 0.4570,
0.3913

 0.0000, 1.0000,
0.0000

 122.4841, 0.4460,
0.3881

 0.0000, 0.0000,
0.0000


 154.5398, 0.4365,


0.3851


 191.7507, 0.4282,
0.3823


 16.8837, 0.5478,
0.4032


 16.8837, 0.5478,
0.4032


 16.8783, 0.5479,
0.4032

 18.5895, 0.5261,
0.4096

 20.5509, 0.5011,
0.4114

 22.7917, 0.4735,
0.4081

 25.3264, 0.4450,
0.4007

 28.1680, 0.4173,
0.3904

■ 31.3287, 0.3914,
0.3784

■ 34.8197, 0.3679,
0.3657

■ 38.6515, 0.3471,
0.3530

■ 42.8342, 0.3287,
0.3406

Harmonies

Analogous

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



16.8837, 0.5501, 0.3241



16.8837, 0.5478, 0.4032



16.8837, 0.4757, 0.4918

Triad

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



16.8837, 0.5478, 0.4032



16.8837, 0.1681, 0.4074



16.8837, 0.2117, 0.1601

Complementary

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



16.8837, 0.5478, 0.4032



11.8008, 0.1796, 0.1663

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.



16.8837, 0.1447, 0.1549



16.8837, 0.5478, 0.4032



16.8837, 0.1216, 0.2628

Square

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



16.8837, 0.5478, 0.4032



16.8837, 0.2598, 0.5490



16.8837, 0.1163, 0.1836



16.8837, 0.3245, 0.1940

Rectangle

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



16.8837, 0.5478, 0.4032



16.8837, 0.4078, 0.5467



16.8837, 0.1163, 0.1836



16.8837, 0.1845, 0.1551

Sweetspot

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



16.8846, 0.5478, 0.4032



62.0046, 0.3691, 0.3664



10.9450, 0.4816, 0.2427



13.1014, 0.3788, 0.3718



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



16.8846, 0.5478, 0.4032



29.7706, 0.5504, 0.4012



41.4779, 0.4252, 0.5006



9.6972, 0.3276, 0.3399



11.9089, 0.5460, 0.4047



0.5439, 0.5051, 0.4372

Inverse Universe

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



11.8008, 0.1796, 0.1663



20.6552, 0.1788, 0.1636



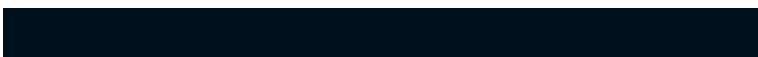
3.5537, 0.1506, 0.0621



9.4785, 0.2985, 0.3179



8.3652, 0.1801, 0.1683



0.4179, 0.1926, 0.2135

Previews

White Background



This preview shows how the Yxy color 16.8837, 0.5478, 0.4032 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 16.8837, 0.5478, 0.4032 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 16.8837, 0.5478, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 16.8837, 0.5478, 0.4032.



This preview shows how white text looks on a background with the Yxy color 16.8837, 0.5478, 0.4032.

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

16.8837, 0.5478, 0.4032

Protanopia

17.0447, 0.4354, 0.4809

Deuteranopia

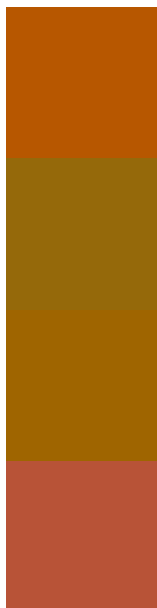
16.9570, 0.4701, 0.4649



Tritanopia

16.8710, 0.4713, 0.3228

Trichromacy



Original Color

16.8837, 0.5478, 0.4032

Protanomaly

16.5146, 0.4786, 0.4516

Deuteranomaly

16.6783, 0.5007, 0.4406

Tritanomaly

16.6527, 0.5143, 0.3637

Monochromacy



Original Color

16.8837, 0.5478, 0.4032

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.3973, 0.4138, 0.3893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8837, 0.5478, 0.4032 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(183, 87, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 87, 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(183, 87, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 87, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8837, 0.5478, 0.4032 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(183, 87, 0) }
```

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

```
.border{ border-color:rgb(183, 87, 0) }
```

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

Here you see how a box with a 4 pixel rgb(183, 87, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 87, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 87, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 87, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8837, 0.5478, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 87, 0) }
```

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

```
.background{ background-color: rgb(183, 87,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor