

Converting Colors

$Y_{xy}(16.3498, 0.5447, 0.3980)$

Have a look what the booklet for
Yxy(16.3498, 0.5447, 0.3980)
contains.

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Color

Yxy(16.3498, 0.5447, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	B5550D
RGB	181, 85, 13
RGB Percent	71%, 33%, 5%
CMY	0.2902, 0.6666, 0.9494
CMYK	0.00, 0.53, 0.93, 0.29
HSL	26°, 87%, 38%
HSV	26°, 93%, 71%
XYZ	22.3762, 16.3498, 2.3539
YIQ	105.4960, 80.3280, -2.0400

Conversions

Conversions Part 2

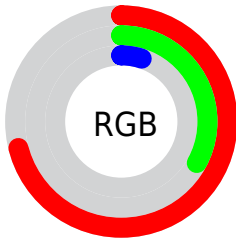
Format	Color
RYB	181, 139, 13
Decimal	11883789
CIELab	47.43, 35.33, 53.65
CIELCh	47, 64.236, 56.633
Yxy	16.3498, 0.5447, 0.3980
Android (android.graphics.Color)	4290073869 (0xFFB5550D)
YUV	105.4960, -45.6005, 66.2170
Hunter-Lab	40.4349, 28.0189, 24.8529

Details

The Yxy color **16.3498, 0.5447, 0.3980** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **14.3349, 0.1886, 0.1936**, and the grayscale version is **14.3766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0683, 0.4985, 0.3950**, and **5.3267, 0.5905, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **15.2213, 0.5612, 0.3926**, and if you desaturate by 10%, it is **18.1691, 0.5187, 0.4023**.

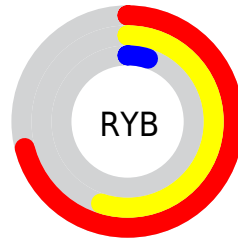
Distribution



Red (71%)

Green (33%)

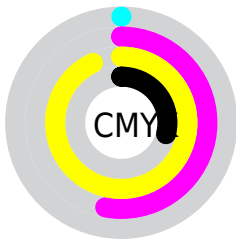
Blue (5%)



Red (71%)

Yellow (55%)

Blue (5%)

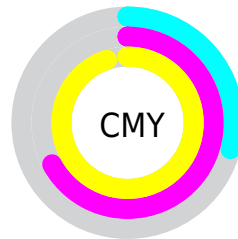


Cyan (0%)

Magenta (53%)

Yellow (93%)

Black (29%)



Cyan (29%)


Magenta (67%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3498, 0.5447, 0.3980 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 16.3498, 0.5447, 0.3980 by changing the saturation by 10% instead.


 16.3498, 0.5447,
0.3980


 16.3498, 0.5447,
0.3980


231.3971, 0.4173,
0.3756

 9.7720, 0.5750,
0.3943

 37.2044, 0.4981,
0.3957


 5.2481, 0.6149,
0.3851

 52.2500, 0.4804,
0.3927


 2.3935, 0.6473,
0.3527

 70.8871, 0.4655,
0.3896

 0.8226, 0.7008,
0.2992

 93.4999, 0.4528,
0.3864

 0.0000, 1.0000,
0.0000


 120.4729, 0.4419,
0.3834


 0.0000, 0.0000,
0.0000


 152.1905, 0.4326,


0.3806


 189.0371, 0.4244,
0.3780

 16.3498, 0.5447,
0.3980


 16.3498, 0.5447,
0.3980


 15.2213, 0.5612,
0.3926

 18.1691, 0.5187,
0.4023

 20.2884, 0.4893,
0.4013

 22.7256, 0.4587,
0.3960

 25.4959, 0.4288,
0.3875

 28.6133, 0.4009,
0.3770

■ 32.0908, 0.3757,
0.3656

■ 35.9406, 0.3534,
0.3540

■ 40.1742, 0.3339,
0.3427

■ 44.8027, 0.3171,
0.3320

Harmonies

Analogous

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



16.3498, 0.5398, 0.3206



16.3498, 0.5447, 0.3980



16.3498, 0.4790, 0.4837

Triad

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



16.3498, 0.5447, 0.3980



16.3498, 0.1772, 0.4156



16.3498, 0.2089, 0.1627

Complementary

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



16.3498, 0.5447, 0.3980



14.3349, 0.1886, 0.1936

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.



16.3498, 0.1457, 0.1598



16.3498, 0.5447, 0.3980



16.3498, 0.1279, 0.2729

Square

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



16.3498, 0.5447, 0.3980



16.3498, 0.2695, 0.5460



16.3498, 0.1199, 0.1911



16.3498, 0.3160, 0.1942

Rectangle

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



16.3498, 0.5447, 0.3980



16.3498, 0.4142, 0.5370



16.3498, 0.1199, 0.1911



16.3498, 0.1831, 0.1584

Sweetspot

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



16.3507, 0.5447, 0.3980



60.4287, 0.3655, 0.3605



11.2555, 0.4470, 0.2280



12.4437, 0.3753, 0.3654



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.3507, 0.5447, 0.3980



26.8308, 0.5639, 0.3905



37.4856, 0.4317, 0.4913



9.0847, 0.3277, 0.3388



10.6258, 0.5590, 0.3943



0.4510, 0.5107, 0.4327

Inverse Universe

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



14.3349, 0.1886, 0.1936



23.0156, 0.1833, 0.1798



4.2007, 0.1556, 0.0735



9.0087, 0.2985, 0.3190



9.1761, 0.1845, 0.1843



0.4018, 0.1969, 0.2289

Previews

White Background



This preview shows how the Yxy color 16.3498, 0.5447, 0.3980 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 16.3498, 0.5447, 0.3980 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 16.3498, 0.5447, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 16.3498, 0.5447, 0.3980.



This preview shows how white text looks on a background with the Yxy color 16.3498, 0.5447, 0.3980.

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

16.3498, 0.5447, 0.3980

Protanopia

16.3764, 0.4318, 0.4780

Deuteranopia

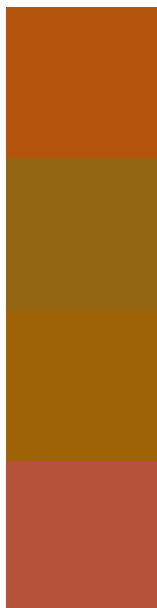
16.3550, 0.4709, 0.4643



Tritanopia

16.2993, 0.4738, 0.3228

Trichromacy



Original Color

16.3498, 0.5447, 0.3980

Protanomaly

15.9472, 0.4760, 0.4468

Deuteranomaly

16.1027, 0.5001, 0.4378

Tritanomaly

16.1354, 0.5106, 0.3583

Monochromacy



Original Color

16.3498, 0.5447, 0.3980

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.1898, 0.4060, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3498, 0.5447, 0.3980 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(181, 85, 13)` looks like.

```
.text, #text, p{  
    color:rgb(181, 85, 13)  
}
```

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(181, 85, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 85, 13) }
```

Border

The CSS property to change the border of an element to Yxy 16.3498, 0.5447, 0.3980 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(181, 85, 13) }
```

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

```
.border{ border-color:rgb(181, 85, 13) }
```

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

Here you see how a box with a 4 pixel rgb(181, 85, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 85, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 85, 13);  
box-shadow:4px 4px 4px 4px rgb(181, 85,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3498, 0.5447, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 85, 13) }
```

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

```
.background{ background-color: rgb(181, 85,  
13) }
```

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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