

Converting Colors

$Y_{xy}(16.3215, 0.5320, 0.3851)$

Have a look what the booklet for
Yxy(16.3215, 0.5320, 0.3851)
contains.

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Color

Yxy(16.2858, 0.5318, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	B55423
RGB	181, 84, 35
RGB Percent	71%, 33%, 14%
CMY	0.2902, 0.6706, 0.8625
CMYK	0.00, 0.54, 0.81, 0.29
HSL	20°, 68%, 42%
HSV	20°, 81%, 71%
XYZ	22.5307, 16.2858, 3.5503
YIQ	107.4170, 73.5410, 5.3250

Conversions

Conversions Part 2

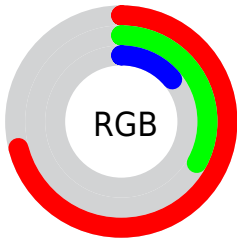
Format	Color
R_{YB}	181, 109, 35
Decimal	11883555
CIE _{Lab}	47.35, 36.40, 45.32
CIE _{LCh}	47, 58.129, 51.236
Yxy	16.2858, 0.5318, 0.3844
Android (android.graphics.Color)	4290073635 (0xFFB55423)
YUV	107.4170, -35.7016, 64.5323
Hunter-Lab	40.3557, 29.0346, 23.0329

Details

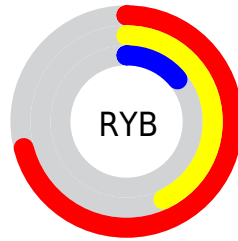
The Yxy color **16.2858, 0.5318, 0.3844** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.2116, 0.2054, 0.2400**, and the grayscale version is **14.9130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1101, 0.4845, 0.3827**, and **5.2816, 0.5952, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **14.4955, 0.5627, 0.3798**, and if you desaturate by 10%, it is **18.4541, 0.4973, 0.3842**.

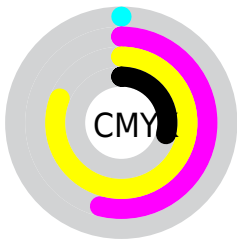
Distribution



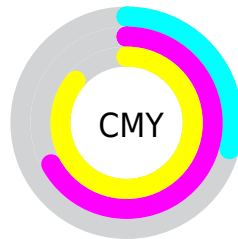
- Red (71%)
- Green (33%)
- Blue (14%)



- Red (71%)
- Yellow (43%)
- Blue (14%)



- Cyan (0%)
- Magenta (54%)
- Yellow (81%)
- Black (29%)





- Cyan (29%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2858, 0.5318, 0.3844 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 16.2858, 0.5318, 0.3844 by changing the saturation by 10% instead.


 16.2858, 0.5318,
0.3844


 16.2858, 0.5318,
0.3844


231.0223, 0.4080,
0.3655


 9.7266, 0.5639,
0.3818


 37.0937, 0.4848,
0.3818


 5.2181, 0.6128,
0.3780

 52.1111, 0.4675,
0.3793

 2.3758, 0.6517,
0.3483

 70.7168, 0.4532,
0.3767

 0.8134, 0.7063,
0.2937

 93.2951, 0.4412,
0.3742

 0.0000, 1.0000,
0.0000

 120.2304, 0.4310,
0.3718

 0.0000, 0.0000,
0.0000

 151.9071, 0.4223,

0.3695

188.7096, 0.4147,
0.3675

16.2858, 0.5318,
0.3844

16.2858, 0.5318,
0.3844

14.4955, 0.5627,
0.3798

18.4541, 0.4973,
0.3842

13.1299, 0.5870,
0.3721

21.0204, 0.4624,
0.3801

24.0063, 0.4292,
0.3732

27.4306, 0.3991,
0.3649

31.3112, 0.3726,
0.3558

■ 35.6648, 0.3497,
0.3467

■ 40.5070, 0.3302,
0.3378

■ 45.8530, 0.3137,
0.3295

■ 51.7171, 0.2996,
0.3218

Harmonies

Analogous

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



16.2858, 0.5099, 0.3117



16.2858, 0.5318, 0.3844



16.2858, 0.4838, 0.4625

Triad

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



16.2858, 0.5318, 0.3844



16.2858, 0.2023, 0.4324



16.2858, 0.2036, 0.1714

Complementary

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



16.2858, 0.5318, 0.3844



20.2116, 0.2054, 0.2400

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.



16.2858, 0.1502, 0.1745



16.2858, 0.5318, 0.3844



16.2858, 0.1467, 0.2997

Square

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



16.2858, 0.5318, 0.3844



16.2858, 0.2942, 0.5336



16.2858, 0.1316, 0.2126



16.2858, 0.2962, 0.1966

Rectangle

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



16.2858, 0.5318, 0.3844



16.2858, 0.4279, 0.5113



16.2858, 0.1316, 0.2126



16.2858, 0.1816, 0.1691

Sweetspot

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



16.2867, 0.5318, 0.3844



60.8344, 0.3579, 0.3501



12.7048, 0.3994, 0.2128



12.5606, 0.3660, 0.3533



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.



16.2867, 0.5318, 0.3844



23.8510, 0.5828, 0.3728



33.9502, 0.4368, 0.4728



8.9556, 0.3279, 0.3367



9.1674, 0.5847, 0.3739



0.3987, 0.5299, 0.4174

Inverse Universe

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



20.2116, 0.2054, 0.2400



30.5698, 0.1941, 0.2174



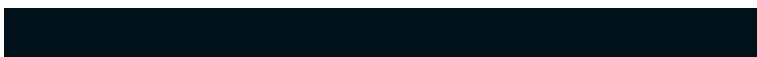
6.8617, 0.1714, 0.1107



9.1418, 0.2986, 0.3212



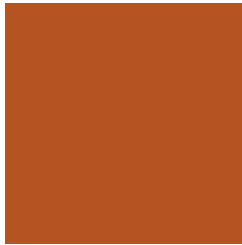
11.7412, 0.1937, 0.2172



0.4716, 0.2034, 0.2520

Previews

White Background



This preview shows how the Yxy color 16.2858, 0.5318, 0.3844 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 16.2858, 0.5318, 0.3844 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 16.2858, 0.5318, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 16.2858, 0.5318, 0.3844.



This preview shows how white text looks on a background with the Yxy color 16.2858, 0.5318, 0.3844.

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

16.2858, 0.5318, 0.3844

Protanopia

16.4203, 0.4148, 0.4557

Deuteranopia

16.3453, 0.4579, 0.4506



Tritanopia

16.2993, 0.4738, 0.3228

Trichromacy



Original Color

16.2858, 0.5318, 0.3844

Protanomaly

15.7669, 0.4603, 0.4272

Deuteranomaly

16.0853, 0.4862, 0.4249

Tritanomaly

16.2233, 0.4993, 0.3489

Monochromacy



Original Color

16.2858, 0.5318, 0.3844

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5861, 0.3932, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2858, 0.5318, 0.3844 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, 84, 35)` looks like.

```
.text, #text, p{  
    color:rgb(181, 84, 35)  
}
```

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, 84, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 84, 35) }
```

Border

The CSS property to change the border of an element to Yxy 16.2858, 0.5318, 0.3844 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, 84, 35) }
```

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

```
.border{ border-color:rgb(181, 84, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 84, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 84, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 84, 35);  
box-shadow:4px 4px 4px 4px rgb(181, 84,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2858, 0.5318, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 84, 35) }
```

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

```
.background{ background-color: rgb(181, 84,  
35) }
```

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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