

Converting Colors

$Y_{xy}(16.7329, 0.4053, 0.4064)$

Have a look what the booklet for
Yxy(16.7329, 0.4053, 0.4064)
contains.

Yxy(16.8035, 0.4051, 0.4058)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.8035, 0.4051, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	886E44
RGB	136, 110, 68
RGB Percent	53%, 43%, 27%
CMY	0.4666, 0.5686, 0.7333
CMYK	0.00, 0.19, 0.50, 0.47
HSL	37°, 33%, 40%
HSV	37°, 50%, 53%
XYZ	16.7745, 16.8035, 7.8303
YIQ	112.9860, 28.9780, -7.5500

Conversions

Conversions Part 2

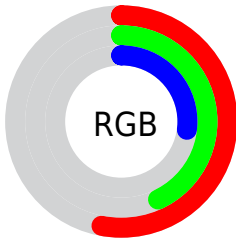
Format	Color
R_{YB}	110, 136, 68
Decimal	8941124
CIE _{Lab}	48.01, 4.55, 27.19
CIE _{LCh}	48, 27.572, 80.501
Yxy	16.8035, 0.4051, 0.4058
Android (android.graphics.Color)	4287131204 (0xFF886E44)
YUV	112.9860, -22.1781, 20.1833
Hunter-Lab	40.9921, 1.3085, 17.3689

Details

The Yxy color **16.8035, 0.4051, 0.4058** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.0179, 0.2320, 0.2359**, and the grayscale version is **16.5708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8505, 0.3842, 0.3884**, and **5.5017, 0.4411, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **15.5669, 0.4271, 0.4192**, and if you desaturate by 10%, it is **18.1462, 0.3837, 0.3908**.

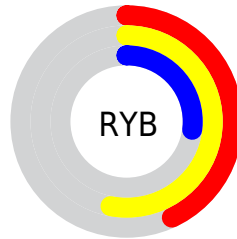
Distribution



Red (53%)

Green (43%)

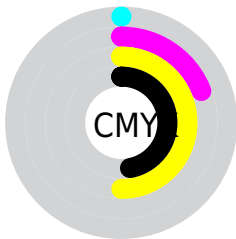
Blue (27%)



Red (43%)

Yellow (53%)

Blue (27%)

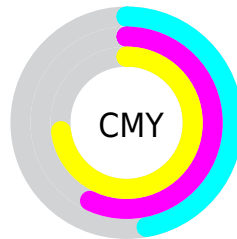


Cyan (0%)

Magenta (19%)

Yellow (50%)

Black (47%)



Cyan (47%)


Magenta (57%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8035, 0.4051, 0.4058 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 16.8035, 0.4051, 0.4058 by changing the saturation by 10% instead.

 16.8035, 0.4051,
0.4058


 16.8035, 0.4051,
0.4058


234.0375, 0.3518,
0.3626


 10.0945, 0.4208,
0.4178


 37.9876, 0.3839,
0.3891


 5.4617, 0.4421,
0.4333

 53.2315, 0.3765,
0.3831


 2.5206, 0.4848,
0.4654

 72.0892, 0.3705,
0.3781

 0.8869, 0.5196,
0.4804

 94.9449, 0.3655,
0.3740

 0.0000, 0.0000,
0.0000

 122.1833, 0.3612,
0.3705

154.1885, 0.3576,

0.3675

191.3451, 0.3545,
0.3649

■ 16.8035, 0.4051,
0.4058

■ 16.8035, 0.4051,
0.4058

■ 15.5669, 0.4271,
0.4192

■ 18.1462, 0.3837,
0.3908

■ 14.4302, 0.4489,
0.4298

■ 19.5961, 0.3635,
0.3750

■ 13.3900, 0.4695,
0.4367

■ 21.1573, 0.3449,
0.3592

■ 12.4414, 0.4877,
0.4391

■ 22.8330, 0.3280,
0.3437

■ 11.5730, 0.5042,
0.4379

■ 24.6262, 0.3127,
0.3290

■ 11.5724, 0.5042,
0.4379

■ 26.5395, 0.2991,
0.3151

■ 28.5759, 0.2869,
0.3022

■ 30.7379, 0.2762,
0.2903

■ 33.0279, 0.2666,
0.2794

Harmonies

Analogous

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



16.8035, 0.4210, 0.3682



16.8035, 0.4051, 0.4058



16.8035, 0.3645, 0.4267

Triad

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



16.8035, 0.4051, 0.4058



16.8035, 0.2277, 0.3217



16.8035, 0.3059, 0.2576

Complementary

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



16.8035, 0.4051, 0.4058



11.0179, 0.2320, 0.2359

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.



16.8035, 0.2570, 0.2439



16.8035, 0.4051, 0.4058



16.8035, 0.2151, 0.2756

Square

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



16.8035, 0.4051, 0.4058



16.8035, 0.2621, 0.3765



16.8035, 0.2253, 0.2492



16.8035, 0.3611, 0.2866

Rectangle

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



16.8035, 0.4051, 0.4058



16.8035, 0.3299, 0.4245



16.8035, 0.2253, 0.2492



16.8035, 0.2882, 0.2511

Sweetspot

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



16.8043, 0.4051, 0.4058



38.6311, 0.3368, 0.3519



10.1809, 0.3930, 0.2808



8.8222, 0.3399, 0.3547



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.8043, 0.4051, 0.4058



27.1564, 0.4300, 0.4207



22.6246, 0.3735, 0.4504



5.5289, 0.3266, 0.3425



10.9692, 0.5039, 0.4381



0.1013, 0.4587, 0.4740

Inverse Universe

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



11.0179, 0.2320, 0.2359



15.7672, 0.2138, 0.2101



7.4483, 0.2305, 0.1809



5.1855, 0.2991, 0.3151



4.0265, 0.1684, 0.1260



0.0535, 0.1912, 0.2084

Previews

White Background



This preview shows how the Yxy color 16.8035, 0.4051, 0.4058 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 16.8035, 0.4051, 0.4058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

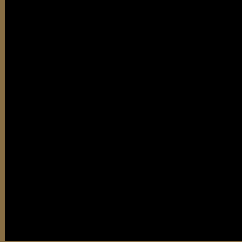
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8035, 0.4051, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 16.8035, 0.4051, 0.4058.



This preview shows how white text looks on a background with the Yxy color 16.8035, 0.4051, 0.4058.

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

16.8035, 0.4051, 0.4058

Protanopia

16.8368, 0.3834, 0.4143

Deuteranopia

16.8436, 0.4103, 0.4028



Tritanopia

16.8709, 0.3516, 0.3147

Trichromacy



Original Color

16.8035, 0.4051, 0.4058

Protanomaly

16.9071, 0.3912, 0.4125

Deuteranomaly

16.7579, 0.4089, 0.4032

Tritanomaly

16.8674, 0.3721, 0.3475

Monochromacy



Original Color

16.8035, 0.4051, 0.4058

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5164, 0.3442, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8035, 0.4051, 0.4058 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(136, 110, 68)` looks like.

```
.text, #text, p{  
    color:rgb(136, 110, 68)  
}
```

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(136, 110, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 110, 68) }
```

Border

The CSS property to change the border of an element to Yxy 16.8035, 0.4051, 0.4058 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(136, 110, 68) }
```

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

```
.border{ border-color:rgb(136, 110, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 110, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 110, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 110, 68);  
box-shadow:4px 4px 4px 4px rgb(136, 110,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8035, 0.4051, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 110, 68) }
```

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

```
.background{ background-color: rgb(136,  
110, 68) }
```

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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