

Converting Colors

$Y_{xy}(16.4984, 0.4045, 0.3968)$

Have a look what the booklet for
Yxy(16.4984, 0.4045, 0.3968)
contains.

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Color

Yxy(16.4984, 0.4045, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	896C47
RGB	137, 108, 71
RGB Percent	54%, 42%, 28%
CMY	0.4627, 0.5765, 0.7215
CMYK	0.00, 0.21, 0.48, 0.46
HSL	34°, 32%, 41%
HSV	34°, 48%, 54%
XYZ	16.8186, 16.4984, 8.2617
YIQ	112.4530, 29.1610, -5.3590

Conversions

Conversions Part 2

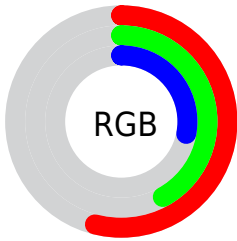
Format	Color
R_{YB}	123, 137, 71
Decimal	9006151
CIE _{Lab}	47.62, 6.48, 25.02
CIE _{LCh}	48, 25.846, 75.490
Yxy	16.4984, 0.4045, 0.3968
Android (android.graphics.Color)	4287196231 (0xFF896C47)
YUV	112.4530, -20.4363, 21.5277
Hunter-Lab	40.6182, 2.8286, 16.3733

Details

The Yxy color **16.4984, 0.4045, 0.3968** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.2674, 0.2365, 0.2485**, and the grayscale version is **16.3993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3588, 0.3834, 0.3816**, and **5.3434, 0.4425, 0.4221** is the 20% darker color. If you saturate the color by 10%, you get **15.1155, 0.4283, 0.4094**, and if you desaturate by 10%, it is **18.0103, 0.3819, 0.3829**.

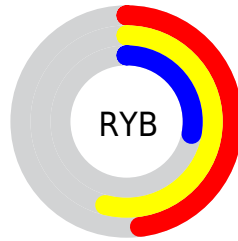
Distribution



Red (54%)

Green (42%)

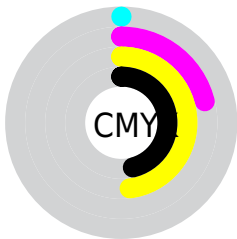
Blue (28%)



Red (48%)

Yellow (54%)

Blue (28%)

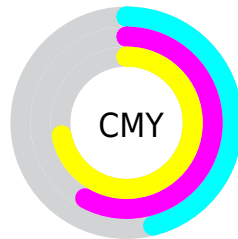


Cyan (0%)

Magenta (21%)

Yellow (48%)

Black (46%)



Cyan (46%)


Magenta (58%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.4984, 0.4045, 0.3968 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 16.4984, 0.4045, 0.3968 by changing the saturation by 10% instead.

 16.4984, 0.4045,
0.3968


 16.4984, 0.4045,
0.3968


232.2650, 0.3511,
0.3588

 9.8775, 0.4206,
0.4073


 37.4613, 0.3831,
0.3821


 5.3178, 0.4429,
0.4209


 52.5721, 0.3757,
0.3768


 2.4349, 0.4843,
0.4469

 71.2817, 0.3696,
0.3725

 0.8438, 0.5337,
0.4663

 93.9745, 0.3646,
0.3688

 0.0000, 0.0000,
0.0000

 121.0348, 0.3605,
0.3657

152.8470, 0.3569,

0.3631

189.7956, 0.3538,
0.3608

■ 16.4984, 0.4045,
0.3968

■ 16.4984, 0.4045,
0.3968

■ 15.1155, 0.4283,
0.4094

■ 18.0103, 0.3819,
0.3829

■ 13.8549, 0.4524,
0.4195

■ 19.6531, 0.3611,
0.3683

■ 12.7125, 0.4759,
0.4260

■ 21.4315, 0.3421,
0.3539

■ 11.6829, 0.4974,
0.4280

■ 23.3491, 0.3252,
0.3399

■ 10.7563, 0.5165,
0.4257

■ 25.4096, 0.3101,
0.3266

■ 10.5958, 0.5200,
0.4253

■ 27.6162, 0.2968,
0.3142

■ 29.9723, 0.2850,
0.3027

■ 32.4810, 0.2747,
0.2921

■ 35.1453, 0.2655,
0.2824

Harmonies

Analogous

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



16.4984, 0.4144, 0.3599



16.4984, 0.4045, 0.3968



16.4984, 0.3694, 0.4196

Triad

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



16.4984, 0.4045, 0.3968



16.4984, 0.2364, 0.3309



16.4984, 0.2979, 0.2579

Complementary

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



16.4984, 0.4045, 0.3968



12.2674, 0.2365, 0.2485

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.



16.4984, 0.2537, 0.2478



16.4984, 0.4045, 0.3968



16.4984, 0.2206, 0.2850

Square

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



16.4984, 0.4045, 0.3968



16.4984, 0.2722, 0.3816



16.4984, 0.2268, 0.2563



16.4984, 0.3500, 0.2834

Rectangle

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



16.4984, 0.4045, 0.3968



16.4984, 0.3377, 0.4206



16.4984, 0.2268, 0.2563



16.4984, 0.2817, 0.2526

Sweetspot

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



16.4992, 0.4045, 0.3968



39.6667, 0.3354, 0.3484



10.7620, 0.3803, 0.2745



8.7540, 0.3386, 0.3511



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.



16.4992, 0.4045, 0.3968



26.8018, 0.4309, 0.4106



23.3955, 0.3771, 0.4439



5.4829, 0.3268, 0.3413



9.8918, 0.5197, 0.4256



0.0949, 0.4670, 0.4674

Inverse Universe

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



12.2674, 0.2365, 0.2485



18.2799, 0.2192, 0.2256



7.7834, 0.2286, 0.1850



5.2305, 0.2991, 0.3164



4.7388, 0.1731, 0.1430



0.0599, 0.1955, 0.2238

Previews

White Background



This preview shows how the Yxy color 16.4984, 0.4045, 0.3968 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 16.4984, 0.4045, 0.3968 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 16.4984, 0.4045, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 16.4984, 0.4045, 0.3968.



This preview shows how white text looks on a background with the Yxy color 16.4984, 0.4045, 0.3968.

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

16.4984, 0.4045, 0.3968

Protanopia

16.5022, 0.3775, 0.4078

Deuteranopia

16.4984, 0.4045, 0.3968



Tritanopia

16.5109, 0.3566, 0.3148

Trichromacy



Original Color

16.4984, 0.4045, 0.3968

Protanomaly

16.4260, 0.3876, 0.4041

Deuteranomaly

16.4984, 0.4045, 0.3968

Tritanomaly

16.5231, 0.3760, 0.3456

Monochromacy



Original Color

16.4984, 0.4045, 0.3968

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2969, 0.3445, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4984, 0.4045, 0.3968 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(137, 108, 71)` looks like.

```
.text, #text, p{  
    color:rgb(137, 108, 71)  
}
```

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(137, 108, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 108, 71) }
```

Border

The CSS property to change the border of an element to Yxy 16.4984, 0.4045, 0.3968 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(137, 108, 71) }
```

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

```
.border{ border-color:rgb(137, 108, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 108, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 108, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 108, 71);  
box-shadow:4px 4px 4px 4px rgb(137, 108,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4984, 0.4045, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 108, 71) }
```

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

```
.background{ background-color: rgb(137,  
108, 71) }
```

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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