

Converting Colors

$Y_{xy}(17.0456, 0.4186, 0.4022)$

Have a look what the booklet for
Yxy(17.0456, 0.4186, 0.4022)
contains.

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Color

Yxy(16.9700, 0.4183, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	8F6C43
RGB	143, 108, 67
RGB Percent	56%, 42%, 26%
CMY	0.4391, 0.5765, 0.7372
CMYK	0.00, 0.24, 0.53, 0.44
HSL	32°, 36%, 41%
HSV	32°, 53%, 56%
XYZ	17.7065, 16.9700, 7.6532
YIQ	113.7910, 34.0210, -5.3310

Conversions

Conversions Part 2

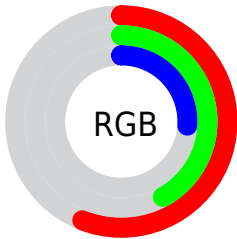
Format	Color
R_{YB}	132, 143, 67
Decimal	9399363
CIE _{Lab}	48.22, 8.74, 28.19
CIE _{LCh}	48, 29.514, 72.769
Yxy	16.9700, 0.4183, 0.4009
Android (android.graphics.Color)	4287589443 (0xFF8F6C43)
YUV	113.7910, -23.0680, 25.6163
Hunter-Lab	41.1947, 4.6333, 17.8213

Details

The Yxy color **16.9700, 0.4183, 0.4009** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.6872, 0.2290, 0.2415**, and the grayscale version is **16.8250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1993, 0.3944, 0.3853**, and **5.5691, 0.4598, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **15.4818, 0.4433, 0.4119**, and if you desaturate by 10%, it is **18.6073, 0.3943, 0.3880**.

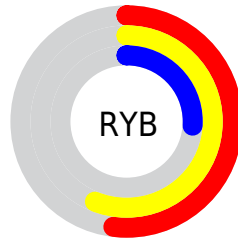
Distribution



Red (56%)

Green (42%)

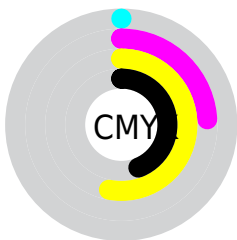
Blue (26%)



Red (52%)

Yellow (56%)

Blue (26%)

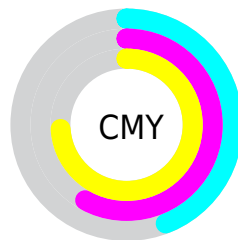


Cyan (0%)

Magenta (24%)

Yellow (53%)

Black (44%)



Cyan (44%)


Magenta (58%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9700, 0.4183, 0.4009 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 16.9700, 0.4183, 0.4009 by changing the saturation by 10% instead.


 16.9700, 0.4183,
0.4009


 16.9700, 0.4183,
0.4009


234.9994, 0.3573,
0.3615


 10.2131, 0.4363,
0.4112


 38.2742, 0.3940,
0.3860


 5.5405, 0.4607,
0.4237

 53.5903, 0.3856,
0.3805


 2.5677, 0.5094,
0.4509

 72.5282, 0.3786,
0.3760

 0.9105, 0.5475,
0.4525

 95.4724, 0.3729,
0.3722

 0.0000, 1.0000,
0.0000

 122.8072, 0.3681,
0.3689

 0.0000, 0.0000,
0.0000

154.9171, 0.3640,

0.3661

192.1863, 0.3604,
0.3636

■ 16.9700, 0.4183,
0.4009

■ 16.9700, 0.4183,
0.4009

■ 15.4818, 0.4433,
0.4119

■ 18.6073, 0.3943,
0.3880

■ 14.1349, 0.4683,
0.4199

■ 20.3964, 0.3720,
0.3741

■ 12.9239, 0.4919,
0.4237

■ 22.3429, 0.3517,
0.3600

■ 11.8422, 0.5129,
0.4225

■ 24.4513, 0.3336,
0.3462

■ 11.1658, 0.5265,
0.4201

■ 26.7259, 0.3174,
0.3330

■ 29.1708, 0.3032,
0.3206

■ 31.7900, 0.2906,
0.3090

■ 34.5872, 0.2796,
0.2984

■ 37.5660, 0.2700,
0.2886

Harmonies

Analogous

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



16.9700, 0.4271, 0.3585



16.9700, 0.4183, 0.4009



16.9700, 0.3804, 0.4299

Triad

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



16.9700, 0.4183, 0.4009



16.9700, 0.2297, 0.3360



16.9700, 0.2906, 0.2479

Complementary

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



16.9700, 0.4183, 0.4009



12.6872, 0.2290, 0.2415

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.



16.9700, 0.2428, 0.2383



16.9700, 0.4183, 0.4009



16.9700, 0.2104, 0.2827

Square

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



16.9700, 0.4183, 0.4009



16.9700, 0.2712, 0.3938



16.9700, 0.2151, 0.2492



16.9700, 0.3494, 0.2748

Rectangle

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



16.9700, 0.4183, 0.4009



16.9700, 0.3452, 0.4341



16.9700, 0.2151, 0.2492



16.9700, 0.2729, 0.2426

Sweetspot

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



16.9708, 0.4183, 0.4009



42.5377, 0.3391, 0.3505



10.8256, 0.3888, 0.2670



9.5958, 0.3424, 0.3531



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.9708, 0.4183, 0.4009



27.1633, 0.4488, 0.4140



25.6754, 0.3845, 0.4542



5.8754, 0.3269, 0.3409



9.9115, 0.5259, 0.4207



0.1389, 0.4702, 0.4648

Inverse Universe

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



12.6872, 0.2290, 0.2415



18.6432, 0.2111, 0.2169



7.2839, 0.2167, 0.1669



5.6389, 0.2990, 0.3168



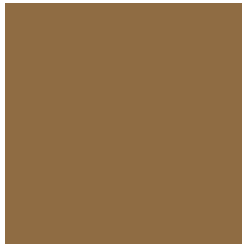
5.2292, 0.1748, 0.1493



0.0933, 0.1970, 0.2293

Previews

White Background



This preview shows how the Yxy color 16.9700, 0.4183, 0.4009 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 16.9700, 0.4183, 0.4009 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 16.9700, 0.4183, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 16.9700, 0.4183, 0.4009.



This preview shows how white text looks on a background with the Yxy color 16.9700, 0.4183, 0.4009.

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

16.9700, 0.4183, 0.4009

Protanopia

17.0636, 0.3826, 0.4160

Deuteranopia

16.9180, 0.4130, 0.4040



Tritanopia

17.0512, 0.3652, 0.3152

Trichromacy



Original Color

16.9700, 0.4183, 0.4009

Protanomaly

16.9235, 0.3963, 0.4094

Deuteranomaly

17.0052, 0.4144, 0.4035

Tritanomaly

17.0404, 0.3862, 0.3469

Monochromacy



Original Color

16.9700, 0.4183, 0.4009

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.8114, 0.3498, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9700, 0.4183, 0.4009 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(143, 108, 67)` looks like.

```
.text, #text, p{  
    color:rgb(143, 108, 67)  
}
```

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(143, 108, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 108, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.9700, 0.4183, 0.4009 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(143, 108, 67) }
```

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

```
.border{ border-color:rgb(143, 108, 67) }
```

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

Here you see how a box with a 4 pixel rgb(143, 108, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 108, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 108, 67);  
box-shadow:4px 4px 4px 4px rgb(143, 108,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9700, 0.4183, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 108, 67) }
```

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

```
.background{ background-color: rgb(143,  
108, 67) }
```

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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