

Converting Colors

$Y_{xy}(16.9367, 0.4070, 0.3662)$

Have a look what the booklet for
Yxy(16.9367, 0.4070, 0.3662)
contains.

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Color

Yxy(16.8211, 0.4071, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	946853
RGB	148, 104, 83
RGB Percent	58%, 41%, 33%
CMY	0.4197, 0.5921, 0.6745
CMYK	0.00, 0.30, 0.44, 0.42
HSL	19°, 28%, 45%
HSV	19°, 44%, 58%
XYZ	18.7203, 16.8211, 10.4431
YIQ	114.7620, 32.9650, 2.7970

Conversions

Conversions Part 2

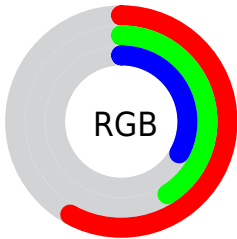
Format	Color
R_{YB}	148, 114, 83
Decimal	9726035
CIE _{Lab}	48.03, 14.90, 18.85
CIE _{LCh}	48, 24.034, 51.675
Yxy	16.8211, 0.4071, 0.3658
Android (android.graphics.Color)	4287916115 (0xFF946853)
YUV	114.7620, -15.6587, 29.1497
Hunter-Lab	41.0135, 9.7010, 13.6128

Details

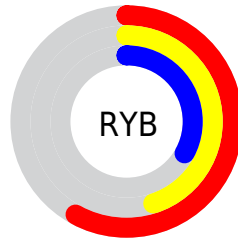
The Yxy color **16.8211, 0.4071, 0.3658** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.1416, 0.2481, 0.2880**, and the grayscale version is **17.1095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9735, 0.3847, 0.3576**, and **5.4991, 0.4480, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **14.7199, 0.4379, 0.3735**, and if you desaturate by 10%, it is **19.2120, 0.3798, 0.3573**.

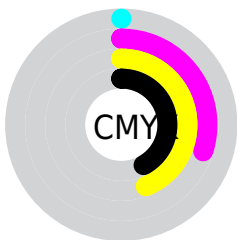
Distribution



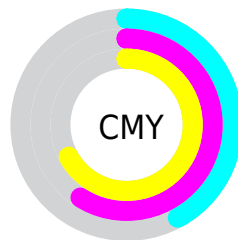
- Red (58%)
- Green (41%)
- Blue (33%)



- Red (58%)
- Yellow (45%)
- Blue (33%)



- Cyan (0%)
- Magenta (30%)
- Yellow (44%)
- Black (42%)





- Cyan (42%)
- Magenta (59%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8211, 0.4071, 0.3658 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 16.8211, 0.4071, 0.3658 by changing the saturation by 10% instead.


 16.8211, 0.4071,
0.3658


 16.8211, 0.4071,
0.3658

234.1393, 0.3517,
0.3461


 10.1070, 0.4244,
0.3707


 38.0179, 0.3846,
0.3585


 5.4700, 0.4492,
0.3767

 53.2695, 0.3769,
0.3558

 2.5256, 0.4869,
0.3832

 72.1356, 0.3706,
0.3535

 0.8894, 0.5872,
0.4128

 95.0008, 0.3655,
0.3516

 0.0000, 1.0000,
0.0000

 122.2493, 0.3612,
0.3499

 0.0000, 0.0000,
0.0000

154.2657, 0.3575,

0.3485

191.4342, 0.3544,
0.3473

■ 16.8211, 0.4071,
0.3658

■ 16.8211, 0.4071,
0.3658

■ 14.7199, 0.4379,
0.3735

■ 19.2120, 0.3798,
0.3573

■ 12.8944, 0.4717,
0.3794

■ 21.9009, 0.3562,
0.3486

■ 11.3331, 0.5068,
0.3825

■ 24.8988, 0.3359,
0.3401

■ 10.0228, 0.5407,
0.3816

■ 28.2154, 0.3187,
0.3320

■ 8.9484, 0.5705,
0.3761

■ 31.8600, 0.3041,
0.3245

■ 8.3967, 0.5873,
0.3719

■ 35.8413, 0.2917,
0.3176

■ 40.1681, 0.2811,
0.3112

■ 44.8483, 0.2721,
0.3054

■ 49.8901, 0.2643,
0.3001

Harmonies

Analogous

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



16.8211, 0.3939, 0.3282



16.8211, 0.4071, 0.3658



16.8211, 0.3927, 0.3980

Triad

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



16.8211, 0.4071, 0.3658



16.8211, 0.2672, 0.3684



16.8211, 0.2654, 0.2540

Complementary

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



16.8211, 0.4071, 0.3658



19.1416, 0.2481, 0.2880

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.



16.8211, 0.2364, 0.2584



16.8211, 0.4071, 0.3658



16.8211, 0.2372, 0.3214

Square

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



16.8211, 0.4071, 0.3658



16.8211, 0.3108, 0.4043



16.8211, 0.2265, 0.2815



16.8211, 0.3090, 0.2666

Rectangle

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



16.8211, 0.4071, 0.3658



16.8211, 0.3706, 0.4113



16.8211, 0.2265, 0.2815



16.8211, 0.2538, 0.2534

Sweetspot

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



16.8219, 0.4071, 0.3658



44.3153, 0.3347, 0.3395



14.0219, 0.3477, 0.2545



9.8575, 0.3386, 0.3412



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.8219, 0.4071, 0.3658



25.9322, 0.4384, 0.3736



24.5423, 0.3837, 0.4170



6.1036, 0.3275, 0.3362



7.2204, 0.5862, 0.3728



0.1375, 0.5127, 0.4311

Inverse Universe

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



19.1416, 0.2481, 0.2880



30.5501, 0.2349, 0.2766



12.1441, 0.2371, 0.2216



6.2491, 0.2990, 0.3217



9.6812, 0.1951, 0.2224



0.1721, 0.2102, 0.2767

Previews

White Background



This preview shows how the Yxy color 16.8211, 0.4071, 0.3658 looks on a white background.

Color Contrast Check

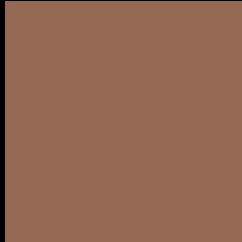
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8211, 0.4071, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

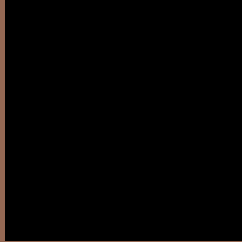
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8211, 0.4071, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 16.8211, 0.4071, 0.3658.



This preview shows how white text looks on a background with the Yxy color 16.8211, 0.4071, 0.3658.

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

16.8211, 0.4071, 0.3658

Protanopia

16.8603, 0.3577, 0.3826

Deuteranopia

16.9953, 0.3868, 0.3810



Tritanopia

16.8741, 0.3747, 0.3171

Trichromacy



Original Color

16.8211, 0.4071, 0.3658

Protanomaly

16.6490, 0.3742, 0.3749

Deuteranomaly

16.9098, 0.3940, 0.3764

Tritanomaly

16.7932, 0.3863, 0.3344

Monochromacy



Original Color

16.8211, 0.4071, 0.3658

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8602, 0.3450, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8211, 0.4071, 0.3658 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(148, 104, 83)` looks like.

```
.text, #text, p{  
    color:rgb(148, 104, 83)  
}
```

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(148, 104, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 104, 83) }
```

Border

The CSS property to change the border of an element to Yxy 16.8211, 0.4071, 0.3658 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(148, 104, 83) }
```

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

```
.border{ border-color:rgb(148, 104, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 104, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 104, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 104, 83);  
box-shadow:4px 4px 4px 4px rgb(148, 104,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8211, 0.4071, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 104, 83) }
```

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

```
.background{ background-color: rgb(148,  
104, 83) }
```

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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