

Converting Colors

$Yxy(15.9436, 0.2338, 0.4854)$

Have a look what the booklet for
Yxy(15.9436, 0.2338, 0.4854)
contains.

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Color

Yxy(16.7270, 0.2650, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	00834A
RGB	0, 131, 74
RGB Percent	0%, 51%, 29%
CMY	0.9996, 0.4863, 0.7098
CMYK	1.00, 0.00, 0.44, 0.49
HSL	154°, 100%, 26%
HSV	154°, 100%, 51%
XYZ	9.3536, 16.7270, 9.2159
YIQ	85.3330, -59.7790, -45.4990

Conversions

Conversions Part 2

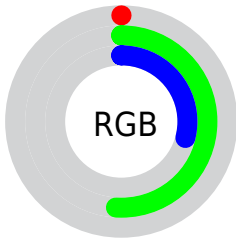
Format	Color
RYB	0, 84, 131
Decimal	33610
CIELab	47.91, -44.65, 22.38
CIELCh	48, 49.946, 153.374
Yxy	16.7270, 0.2650, 0.4739
Android (android.graphics.Color)	4278223690 (0xFF00834A)
YUV	85.3330, -5.5872, -74.8370
Hunter-Lab	40.8987, -30.7495, 15.2689

Details

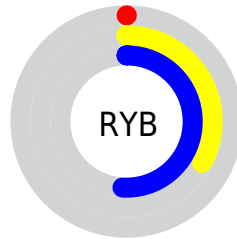
The Yxy color **16.7270, 0.2650, 0.4739** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.1240, 0.5163, 0.2619**, and the grayscale version is **9.1867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7902, 0.2785, 0.4359**, and **5.8260, 0.2799, 0.5277** is the 20% darker color. If you saturate the color by 10%, you get **16.7263, 0.2650, 0.4740**, and if you desaturate by 10%, it is **16.8945, 0.2635, 0.4578**.

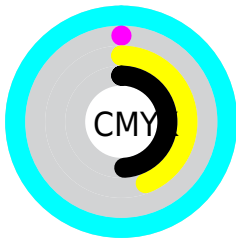
Distribution



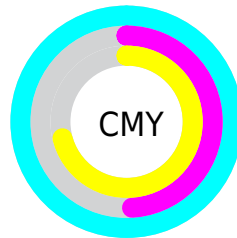
- Red (0%)
- Green (51%)
- Blue (29%)



- Red (0%)
- Yellow (33%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (44%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7270, 0.2650, 0.4739 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 16.7270, 0.2650, 0.4739 by changing the saturation by 10% instead.

 16.7270, 0.2650,
0.4739


 16.7270, 0.2650,
0.4739


233.5942, 0.2958,
0.3836

 10.0400, 0.2534,
0.5057


 37.8558, 0.2786,
0.4352


 5.4255, 0.2350,
0.5542

 53.0664, 0.2829,
0.4226


 2.4990, 0.2045,
0.6427

 71.8871, 0.2862,
0.4127

 0.8762, 0.0000,
1.0000

 94.7021, 0.2889,
0.4046

 0.0000, 0.0000,
0.0000

 121.8959, 0.2911,
0.3980

 153.8530, 0.2929,

0.3924

190.9576, 0.2945,
0.3877

■ 16.7270, 0.2650,
0.4739

■ 16.7270, 0.2650,
0.4739

■ 16.7263, 0.2650,
0.4740

■ 16.8945, 0.2635,
0.4578

■ 17.1187, 0.2632,
0.4415

■ 17.4292, 0.2649,
0.4250

■ 17.8359, 0.2683,
0.4087

■ 18.3470, 0.2733,
0.3930

■ 18.9699, 0.2797,
0.3780

■ 19.7114, 0.2871,
0.3641

■ 20.5776, 0.2953,
0.3512

■ 21.5741, 0.3039,
0.3395

Harmonies

Analogous

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



16.7270, 0.3548, 0.5115



16.7270, 0.2650, 0.4739



16.7270, 0.1934, 0.3703

Triad

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



16.7270, 0.2650, 0.4739



16.7270, 0.1845, 0.1881



16.7270, 0.4983, 0.3435

Complementary

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



16.7270, 0.2650, 0.4739



5.1240, 0.5163, 0.2619

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.



16.7270, 0.4386, 0.2801



16.7270, 0.2650, 0.4739



16.7270, 0.2471, 0.1955

Square

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



16.7270, 0.2650, 0.4739



16.7270, 0.1549, 0.2102



16.7270, 0.3399, 0.2279



16.7270, 0.4943, 0.4114

Rectangle

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



16.7270, 0.2650, 0.4739



16.7270, 0.1649, 0.2995



16.7270, 0.3399, 0.2279



16.7270, 0.4851, 0.3216

Sweetspot

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



16.7277, 0.2650, 0.4739



35.1884, 0.2865, 0.3651



17.1628, 0.3321, 0.5744



8.0765, 0.2838, 0.3701



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.7277, 0.2650, 0.4739



29.9223, 0.2660, 0.4775



16.1690, 0.2205, 0.3138



5.2455, 0.3046, 0.3386



16.4653, 0.2650, 0.4739



0.0585, 0.2456, 0.4040

Inverse Universe

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



5.1240, 0.5163, 0.2619



9.1407, 0.5218, 0.2648



4.9700, 0.6344, 0.3343



4.7199, 0.3217, 0.3196



5.0414, 0.5164, 0.2618



0.0189, 0.4203, 0.2089

Previews

White Background



This preview shows how the Yxy color 16.7270, 0.2650, 0.4739 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 16.7270, 0.2650, 0.4739 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 16.7270, 0.2650, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 16.7270, 0.2650, 0.4739.



This preview shows how white text looks on a background with the Yxy color 16.7270, 0.2650, 0.4739.

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

16.7270, 0.2650, 0.4739

Protanopia

16.5006, 0.3863, 0.4185

Deuteranopia

16.4405, 0.3909, 0.3833



Tritanopia

16.7895, 0.2336, 0.3070

Trichromacy



Original Color

16.7270, 0.2650, 0.4739



Protanomaly

15.5374, 0.3175, 0.4465



Deuteranomaly

15.0050, 0.3196, 0.4198



Tritanomaly

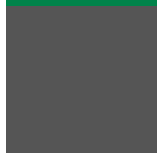
16.6399, 0.2426, 0.3643

Monochromacy



Original Color

16.7270, 0.2650, 0.4739



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

10.8811, 0.2759, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7270, 0.2650, 0.4739 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(0, 131, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 74)  
}
```

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(0, 131, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 74) }
```

Border

The CSS property to change the border of an element to Yxy 16.7270, 0.2650, 0.4739 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(0, 131, 74) }
```

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

```
.border{ border-color:rgb(0, 131, 74) }
```

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

Here you see how a box with a 4 pixel rgb(0, 131, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 131, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7270, 0.2650, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 74) }
```

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

```
.background{ background-color: rgb(0, 131,  
74) }
```

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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