

Converting Colors

$Yxy(16.3739, 0.2384, 0.3784)$

Have a look what the booklet for
Yxy(16.3739, 0.2384, 0.3784)
contains.

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Color

Yxy(16.4999, 0.2389, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	00806B
RGB	0, 128, 107
RGB Percent	0%, 50%, 42%
CMY	0.9998, 0.4980, 0.5804
CMYK	1.00, 0.00, 0.16, 0.50
HSL	170°, 100%, 25%
HSV	170°, 100%, 50%
XYZ	10.3732, 16.4999, 16.5477
YIQ	87.3340, -69.5470, -33.6670

Conversions

Conversions Part 2

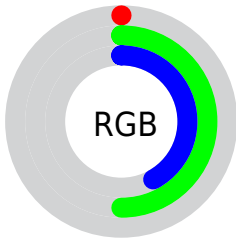
Format	Color
RYB	0, 70, 128
Decimal	32875
CIELab	47.62, -35.30, 2.97
CIELCh	48, 35.421, 175.198
Yxy	16.4999, 0.2389, 0.3800
Android (android.graphics.Color)	4278222955 (0xFF00806B)
YUV	87.3340, 9.6953, -76.5919
Hunter-Lab	40.6201, -25.5012, 4.2807

Details

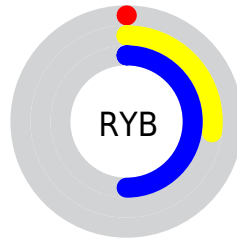
The Yxy color **16.4999, 0.2389, 0.3800** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.6444, 0.6101, 0.3135**, and the grayscale version is **9.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6300, 0.2568, 0.3687**, and **5.7750, 0.2438, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **16.5002, 0.2389, 0.3800**, and if you desaturate by 10%, it is **16.6294, 0.2397, 0.3743**.

Distribution



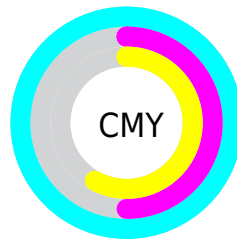
- Red (0%)
- Green (50%)
- Blue (42%)



- Red (0%)
- Yellow (27%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4999, 0.2389, 0.3800 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 16.4999, 0.2389, 0.3800 by changing the saturation by 10% instead.


 16.4999, 0.2389,
0.3800

 16.4999, 0.2389,
0.3800


 232.2737, 0.2821,
0.3498


 9.8786, 0.2254,
0.3898


 37.4639, 0.2564,
0.3675

 5.3185, 0.2059,
0.4041

 52.5754, 0.2624,
0.3633


 2.4353, 0.1757,
0.4271

 71.2857, 0.2673,
0.3600

 0.8440, 0.0000,
0.5425

 93.9793, 0.2713,
0.3572

 0.0000, 0.0000,
0.0000

 121.0404, 0.2746,
0.3549

 152.8536, 0.2775,

0.3529

189.8033, 0.2799,
0.3512

■ 16.4999, 0.2389,
0.3800

■ 16.4999, 0.2389,
0.3800

■ 16.5002, 0.2389,
0.3800

■ 16.6294, 0.2397,
0.3743

■ 16.8058, 0.2417,
0.3687

■ 17.0583, 0.2454,
0.3630

■ 17.3959, 0.2510,
0.3575

■ 17.8263, 0.2582,
0.3520

■ 18.3563, 0.2670,
0.3468

■ 18.9922, 0.2771,
0.3418

■ 19.7396, 0.2883,
0.3372

■ 20.6038, 0.3002,
0.3329

Harmonies

Analogous

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



16.4999, 0.2991, 0.4405



16.4999, 0.2389, 0.3800



16.4999, 0.2010, 0.3070

Triad

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



16.4999, 0.2389, 0.3800



16.4999, 0.2499, 0.2240



16.4999, 0.4510, 0.3833

Complementary

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



16.4999, 0.2389, 0.3800



4.6444, 0.6101, 0.3135

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.



16.4999, 0.4381, 0.3308



16.4999, 0.2389, 0.3800



16.4999, 0.3141, 0.2442

Square

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



16.4999, 0.2389, 0.3800



16.4999, 0.2075, 0.2255



16.4999, 0.3854, 0.2820



16.4999, 0.4229, 0.4308

Rectangle

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



16.4999, 0.2389, 0.3800



16.4999, 0.1911, 0.2677



16.4999, 0.3854, 0.2820



16.4999, 0.4516, 0.3659

Sweetspot

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



16.5005, 0.2389, 0.3800



33.3508, 0.2763, 0.3422



15.6023, 0.3064, 0.5949



7.7114, 0.2726, 0.3439



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.5005, 0.2389, 0.3800



29.0325, 0.2392, 0.3813



8.1106, 0.1944, 0.2198



4.8752, 0.3013, 0.3326



16.3608, 0.2389, 0.3800



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6444, 0.6101, 0.3135



8.1601, 0.6147, 0.3160



6.2949, 0.5823, 0.3758



4.3549, 0.3254, 0.3255



4.6044, 0.6101, 0.3135



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4999, 0.2389, 0.3800 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 16.4999, 0.2389, 0.3800 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 16.4999, 0.2389, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 16.4999, 0.2389, 0.3800.

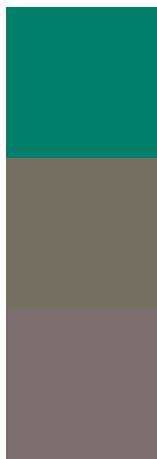


This preview shows how white text looks on a background with the Yxy color 16.4999, 0.2389, 0.3800.

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

16.4999, 0.2389, 0.3800

Protanopia

16.3407, 0.3373, 0.3552

Deuteranopia

16.3701, 0.3307, 0.3252



Tritanopia

16.5298, 0.2277, 0.3067

Trichromacy



Original Color

16.4999, 0.2389, 0.3800

Protanomaly

15.4120, 0.2797, 0.3660

Deuteranomaly

15.2788, 0.2753, 0.3424

Tritanomaly

16.3167, 0.2303, 0.3311

Monochromacy



Original Color

16.4999, 0.2389, 0.3800

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

11.1231, 0.2628, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4999, 0.2389, 0.3800 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, 128, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 107)  
}
```

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, 128, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.4999, 0.2389, 0.3800 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, 128, 107) }
```

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

```
.border{ border-color:rgb(0, 128, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4999, 0.2389, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 107) }
```

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

```
.background{ background-color: rgb(0, 128,  
107) }
```

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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