

Converting Colors

$Yxy(15.9492, 0.2248, 0.3942)$

Have a look what the booklet for
Yxy(15.9492, 0.2248, 0.3942)
contains.

Yxy(16.4176, 0.2418, 0.3904)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4176, 0.2418, 0.3904)

Conversions

Conversions Part 1

Format	Color
Hex	008067
RGB	0, 128, 103
RGB Percent	0%, 50%, 40%
CMY	0.9996, 0.4980, 0.5960
CMYK	1.00, 0.00, 0.20, 0.50
HSL	168°, 100%, 25%
HSV	168°, 100%, 50%
XYZ	10.1685, 16.4176, 15.4672
YIQ	86.8780, -68.2630, -34.9110

Conversions

Conversions Part 2

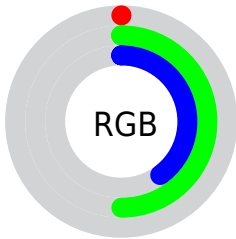
Format	Color
RYB	0, 71, 128
Decimal	32871
CIELab	47.52, -36.42, 5.16
CIELCh	48, 36.786, 171.939
Yxy	16.4176, 0.2418, 0.3904
Android (android.graphics.Color)	4278222951 (0xFF008067)
YUV	86.8780, 7.9481, -76.1920
Hunter-Lab	40.5186, -26.1116, 5.7303

Details

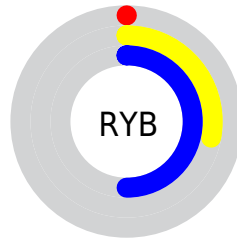
The Yxy color **16.4176, 0.2418, 0.3904** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.6618, 0.6018, 0.3090**, and the grayscale version is **9.5035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4945, 0.2592, 0.3757**, and **5.7343, 0.2484, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **16.4172, 0.2418, 0.3905**, and if you desaturate by 10%, it is **16.5534, 0.2423, 0.3835**.

Distribution



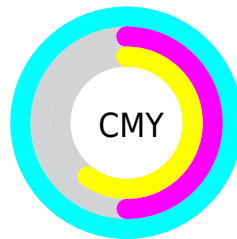
- Red (0%)
- Green (50%)
- Blue (40%)



- Red (0%)
- Yellow (28%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (50%)





- Cyan (100%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4176, 0.2418, 0.3904 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 16.4176, 0.2418, 0.3904 by changing the saturation by 10% instead.


 16.4176, 0.2418,
0.3904


 16.4176, 0.2418,
0.3904


231.7934, 0.2836,
0.3536


 9.8201, 0.2285,
0.4026


 37.3217, 0.2589,
0.3751


 5.2799, 0.2093,
0.4208

 52.3971, 0.2647,
0.3700


 2.4124, 0.1791,
0.4504

 71.0672, 0.2693,
0.3659

 0.8323, 0.0000,
0.6040

 93.7166, 0.2732,
0.3625

 0.0000, 0.0000,
0.0000

 120.7295, 0.2764,
0.3597

 152.4903, 0.2792,

0.3573

189.3835, 0.2815,
0.3553

■ 16.4176, 0.2418,
0.3904

■ 16.4176, 0.2418,
0.3904

■ 16.4172, 0.2418,
0.3905

■ 16.5534, 0.2423,
0.3835

■ 16.7367, 0.2441,
0.3767

■ 16.9967, 0.2476,
0.3699

■ 17.3422, 0.2529,
0.3631

■ 17.7810, 0.2600,
0.3566

■ 18.3199, 0.2685,
0.3503

■ 18.9652, 0.2783,
0.3443

■ 19.7224, 0.2891,
0.3388

■ 20.5969, 0.3007,
0.3336

Harmonies

Analogous

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



16.4176, 0.3058, 0.4500



16.4176, 0.2418, 0.3904



16.4176, 0.1999, 0.3135

Triad

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



16.4176, 0.2418, 0.3904



16.4176, 0.2416, 0.2194



16.4176, 0.4571, 0.3788

Complementary

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



16.4176, 0.2418, 0.3904



4.6618, 0.6018, 0.3090

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.



16.4176, 0.4389, 0.3247



16.4176, 0.2418, 0.3904



16.4176, 0.3060, 0.2381

Square

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



16.4176, 0.2418, 0.3904



16.4176, 0.2006, 0.2235



16.4176, 0.3806, 0.2753



16.4176, 0.4316, 0.4294

Rectangle

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



16.4176, 0.2418, 0.3904



16.4176, 0.1877, 0.2708



16.4176, 0.3806, 0.2753



16.4176, 0.4562, 0.3607

Sweetspot

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



16.4182, 0.2418, 0.3904



33.2978, 0.2775, 0.3448



15.6537, 0.3084, 0.5932



7.6976, 0.2739, 0.3468



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.



16.4182, 0.2418, 0.3904



28.8852, 0.2422, 0.3920



8.8089, 0.1977, 0.2315



4.8729, 0.3017, 0.3332



16.2793, 0.2418, 0.3904



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6618, 0.6018, 0.3090



8.1864, 0.6070, 0.3117



6.0056, 0.5906, 0.3691



4.3569, 0.3250, 0.3248



4.6203, 0.6020, 0.3090



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4176, 0.2418, 0.3904 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 16.4176, 0.2418, 0.3904 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 16.4176, 0.2418, 0.3904

Background



This preview shows how black text looks on a background with the Yxy color 16.4176, 0.2418, 0.3904.



This preview shows how white text looks on a background with the Yxy color 16.4176, 0.2418, 0.3904.

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

16.4176, 0.2418, 0.3904

Protanopia

16.2661, 0.3426, 0.3634

Deuteranopia

16.3588, 0.3375, 0.3330



Tritanopia

16.5486, 0.2281, 0.3067

Trichromacy



Original Color

16.4176, 0.2418, 0.3904

Protanomaly

15.3346, 0.2838, 0.3756

Deuteranomaly

15.2369, 0.2805, 0.3517

Tritanomaly

16.2915, 0.2309, 0.3334

Monochromacy



Original Color

16.4176, 0.2418, 0.3904

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

11.1053, 0.2638, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4176, 0.2418, 0.3904 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 103) }
```

Border

The CSS property to change the border of an element to Yxy 16.4176, 0.2418, 0.3904 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, 103) }
```

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

```
.border{ border-color:rgb(0, 128, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4176, 0.2418, 0.3904 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, 103) }
```

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

```
.background{ background-color: rgb(0, 128,  
103) }
```

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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