

Converting Colors

$Yxy(14.5104, 0.1667, 0.3931)$

Have a look what the booklet for
Yxy(14.5104, 0.1667, 0.3931)
contains.

Yxy(16.7621, 0.2395, 0.3822)	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(16.7621, 0.2395, 0.3822)

Conversions

Conversions Part 1

Format	Color
Hex	00816B
RGB	0, 129, 107
RGB Percent	0%, 51%, 42%
CMY	1.0000, 0.4941, 0.5804
CMYK	1.00, 0.00, 0.17, 0.49
HSL	170°, 100%, 25%
HSV	170°, 100%, 51%
XYZ	10.5037, 16.7621, 16.5911
YIQ	87.9210, -69.8220, -34.1900

Conversions

Conversions Part 2

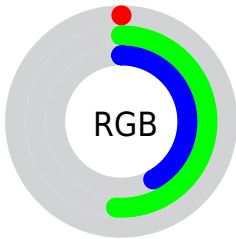
Format	Color
RYB	0, 71, 129
Decimal	33131
CIELab	47.96, -35.74, 3.45
CIELCh	48, 35.910, 174.487
Yxy	16.7621, 0.2395, 0.3822
Android (android.graphics.Color)	4278223211 (0xFF00816B)
YUV	87.9210, 9.4059, -77.1067
Hunter-Lab	40.9415, -25.8528, 4.6325

Details

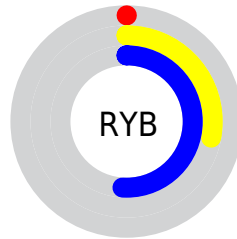
The Yxy color **16.7621, 0.2395, 0.3822** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **4.7253, 0.6088, 0.3127**, and the grayscale version is **9.7316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0411, 0.2571, 0.3702**, and **5.9182, 0.2447, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **16.7629, 0.2395, 0.3822**, and if you desaturate by 10%, it is **16.8946, 0.2402, 0.3763**.

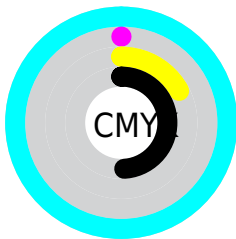
Distribution



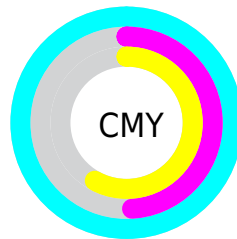
- Red (0%)
- Green (51%)
- Blue (42%)



- Red (0%)
- Yellow (28%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7621, 0.2395, 0.3822 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 16.7621, 0.2395, 0.3822 by changing the saturation by 10% instead.


 16.7621, 0.2395,
0.3822

 16.7621, 0.2395,
0.3822


233.7977, 0.2823,
0.3506


 10.0650, 0.2261,
0.3924


 37.9163, 0.2569,
0.3692


 5.4421, 0.2068,
0.4074

 53.1422, 0.2628,
0.3648

 2.5089, 0.1770,
0.4314

 71.9798, 0.2676,
0.3613

 0.8811, 0.0000,
0.5509

 94.8136, 0.2716,
0.3584

 0.0000, 0.0000,
0.0000

 122.0278, 0.2749,
0.3560

 154.0070, 0.2777,

0.3539

191.1355, 0.2801,
0.3522

■ 16.7621, 0.2395,
0.3822

■ 16.7621, 0.2395,
0.3822

■ 16.7629, 0.2395,
0.3822

■ 16.8946, 0.2402,
0.3763

■ 17.0749, 0.2421,
0.3704

■ 17.3327, 0.2458,
0.3645

■ 17.6772, 0.2513,
0.3587

■ 18.1163, 0.2585,
0.3530

■ 18.6569, 0.2672,
0.3475

■ 19.3053, 0.2773,
0.3424

■ 20.0675, 0.2884,
0.3376

■ 20.9486, 0.3003,
0.3331

Harmonies

Analogous

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



16.7621, 0.3005, 0.4426



16.7621, 0.2395, 0.3822



16.7621, 0.2007, 0.3084

Triad

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



16.7621, 0.2395, 0.3822



16.7621, 0.2481, 0.2230



16.7621, 0.4523, 0.3824

Complementary

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



16.7621, 0.2395, 0.3822



4.7253, 0.6088, 0.3127

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.



16.7621, 0.4383, 0.3295



16.7621, 0.2395, 0.3822



16.7621, 0.3124, 0.2429

Square

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



16.7621, 0.2395, 0.3822



16.7621, 0.2060, 0.2251



16.7621, 0.3844, 0.2805



16.7621, 0.4248, 0.4305

Rectangle

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



16.7621, 0.2395, 0.3822



16.7621, 0.1904, 0.2683



16.7621, 0.3844, 0.2805



16.7621, 0.4526, 0.3648

Sweetspot

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



16.7629, 0.2395, 0.3822



34.4816, 0.2765, 0.3427



15.8913, 0.3073, 0.5942



7.7085, 0.2729, 0.3445



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.



16.7629, 0.2395, 0.3822



29.9976, 0.2399, 0.3835



8.5895, 0.1960, 0.2255



4.8747, 0.3014, 0.3327



16.3437, 0.2395, 0.3821



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.7253, 0.6088, 0.3127



8.4451, 0.6135, 0.3153



6.2430, 0.5868, 0.3723



4.3553, 0.3254, 0.3253



4.6075, 0.6085, 0.3126



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7621, 0.2395, 0.3822 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 16.7621, 0.2395, 0.3822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

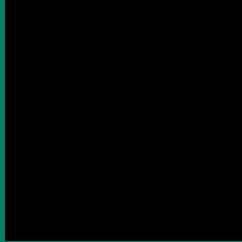
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7621, 0.2395, 0.3822

Background



This preview shows how black text looks on a background with the Yxy color 16.7621, 0.2395, 0.3822.

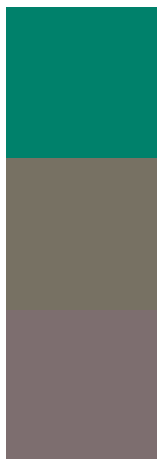


This preview shows how white text looks on a background with the Yxy color 16.7621, 0.2395, 0.3822.

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

16.7621, 0.2395, 0.3822

Protanopia

16.6330, 0.3384, 0.3571

Deuteranopia

16.6595, 0.3319, 0.3271



Tritanopia

16.8098, 0.2276, 0.3068

Trichromacy



Original Color

16.7621, 0.2395, 0.3822

Protanomaly

15.6895, 0.2809, 0.3680

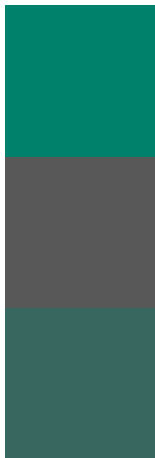
Deuteranomaly

15.5538, 0.2766, 0.3446

Tritanomaly

16.5966, 0.2302, 0.3311

Monochromacy



Original Color

16.7621, 0.2395, 0.3822

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

11.3675, 0.2631, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7621, 0.2395, 0.3822 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, 129, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 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, 129, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.7621, 0.2395, 0.3822 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, 129, 107) }
```

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

```
.border{ border-color:rgb(0, 129, 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, 129, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7621, 0.2395, 0.3822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 107) }
```

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

```
.background{ background-color: rgb(0, 129,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor