

Converting Colors

$Y_{xy}(14.6711, 0.2250, 0.3870)$

Have a look what the booklet for
Yxy(14.6711, 0.2250, 0.3870)
contains.

Yxy(15.1055, 0.2402, 0.3847)	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(15.1055, 0.2402, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	007B65
RGB	0, 123, 101
RGB Percent	0%, 48%, 40%
CMY	1.0000, 0.5176, 0.6039
CMYK	1.00, 0.00, 0.18, 0.52
HSL	169°, 100%, 24%
HSV	169°, 100%, 48%
XYZ	9.4316, 15.1055, 14.7285
YIQ	83.7150, -66.2460, -32.9180

Conversions

Conversions Part 2

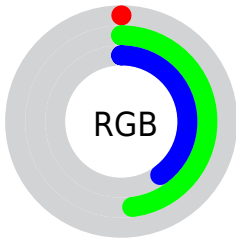
Format	Color
RYB	0, 68, 123
Decimal	31589
CIELab	45.78, -34.80, 3.85
CIELCh	46, 35.015, 173.691
Yxy	15.1055, 0.2402, 0.3847
Android (android.graphics.Color)	4278221669 (0xFF007B65)
YUV	83.7150, 8.5215, -73.4181
Hunter-Lab	38.8658, -24.6983, 4.7376

Details

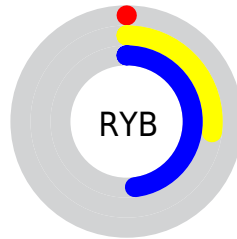
The Yxy color **15.1055, 0.2402, 0.3847** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **4.2693, 0.6056, 0.3110**, and the grayscale version is **8.7970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9374, 0.2577, 0.3699**, and **5.0314, 0.2462, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **15.1060, 0.2402, 0.3847**, and if you desaturate by 10%, it is **15.2302, 0.2410, 0.3785**.

Distribution



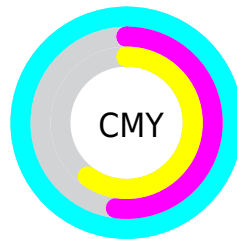
- Red (0%)
- Green (48%)
- Blue (40%)



- Red (0%)
- Yellow (27%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1055, 0.2402, 0.3847 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 15.1055, 0.2402, 0.3847 by changing the saturation by 10% instead.


 15.1055, 0.2402,
0.3847


 15.1055, 0.2402,
0.3847


 224.0039, 0.2832,
0.3511


 8.8935, 0.2263,
0.3959


 35.0382, 0.2579,
0.3707


 4.6718, 0.2060,
0.4128

 49.5276, 0.2639,
0.3660


 2.0560, 0.1737,
0.4406

 67.5449, 0.2687,
0.3623

 0.6397, 0.0000,
0.5994

 89.4745, 0.2726,
0.3592

 0.0000, 0.0000,
0.0000

 115.7008, 0.2759,
0.3567

 146.6082, 0.2787,

0.3545

182.5811, 0.2811,
0.3527

■ 15.1055, 0.2402,
0.3847

■ 15.1055, 0.2402,
0.3847

■ 15.1060, 0.2402,
0.3847

■ 15.2302, 0.2410,
0.3785

■ 15.3964, 0.2429,
0.3723

■ 15.6323, 0.2466,
0.3661

■ 15.9461, 0.2520,
0.3600

■ 16.3447, 0.2592,
0.3541

■ 16.8343, 0.2678,
0.3484

■ 17.4205, 0.2777,
0.3430

■ 18.1085, 0.2887,
0.3379

■ 18.9030, 0.3004,
0.3333

Harmonies

Analogous

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



15.1055, 0.3021, 0.4449



15.1055, 0.2402, 0.3847



15.1055, 0.2005, 0.3099

Triad

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



15.1055, 0.2402, 0.3847



15.1055, 0.2461, 0.2219



15.1055, 0.4538, 0.3813

Complementary

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



15.1055, 0.2402, 0.3847



4.2693, 0.6056, 0.3110

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.



15.1055, 0.4385, 0.3280



15.1055, 0.2402, 0.3847



15.1055, 0.3104, 0.2414

Square

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



15.1055, 0.2402, 0.3847



15.1055, 0.2043, 0.2246



15.1055, 0.3832, 0.2789



15.1055, 0.4269, 0.4302

Rectangle

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



15.1055, 0.2402, 0.3847



15.1055, 0.1895, 0.2691



15.1055, 0.3832, 0.2789



15.1055, 0.4537, 0.3635

Sweetspot

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



15.1061, 0.2402, 0.3847



31.1101, 0.2770, 0.3434



14.3436, 0.3076, 0.5940



7.2370, 0.2734, 0.3452



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.1061, 0.2402, 0.3847



27.0309, 0.2406, 0.3862



7.7793, 0.1961, 0.2260



4.5007, 0.3016, 0.3328



15.6257, 0.2402, 0.3848



74.4223, 0.2411, 0.3880

Inverse Universe

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



4.2693, 0.6056, 0.3110



7.6282, 0.6107, 0.3138



5.6593, 0.5860, 0.3729



4.0257, 0.3251, 0.3252



4.4155, 0.6059, 0.3112



20.9704, 0.6165, 0.3170

Previews

White Background



This preview shows how the Yxy color 15.1055, 0.2402, 0.3847 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 15.1055, 0.2402, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

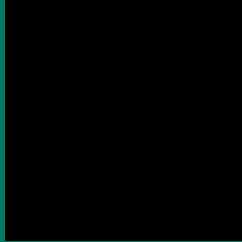
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1055, 0.2402, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 15.1055, 0.2402, 0.3847.



This preview shows how white text looks on a background with the Yxy color 15.1055, 0.2402, 0.3847.

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

15.1055, 0.2402, 0.3847

Protanopia

15.0261, 0.3394, 0.3605

Deuteranopia

15.1161, 0.3341, 0.3291



Tritanopia

15.1537, 0.2278, 0.3059

Trichromacy



Original Color

15.1055, 0.2402, 0.3847

Protanomaly

14.0325, 0.2818, 0.3699

Deuteranomaly

14.1243, 0.2775, 0.3477

Tritanomaly

14.9470, 0.2304, 0.3312

Monochromacy



Original Color

15.1055, 0.2402, 0.3847

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.2304, 0.2635, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1055, 0.2402, 0.3847 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, 123, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 123, 101)  
}
```

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, 123, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 123, 101) }
```

Border

The CSS property to change the border of an element to Yxy 15.1055, 0.2402, 0.3847 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, 123, 101) }
```

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

```
.border{ border-color:rgb(0, 123, 101) }
```

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

Here you see how a box with a 4 pixel rgb(0, 123, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 123, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 123, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 123,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1055, 0.2402, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 123, 101) }
```

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

```
.background{ background-color: rgb(0, 123,  
101) }
```

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