

Converting Colors

$Yxy(15.2103, 0.2415, 0.4069)$

Have a look what the booklet for
Yxy(15.2103, 0.2415, 0.4069)
contains.

Yxy(15.2235, 0.2461, 0.4060)	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(15.2235, 0.2461, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	007C5E
RGB	0, 124, 94
RGB Percent	0%, 49%, 37%
CMY	1.0000, 0.5137, 0.6313
CMYK	1.00, 0.00, 0.24, 0.51
HSL	165°, 100%, 24%
HSV	165°, 100%, 49%
XYZ	9.2278, 15.2235, 13.0450
YIQ	83.5040, -64.2740, -35.6180

Conversions

Conversions Part 2

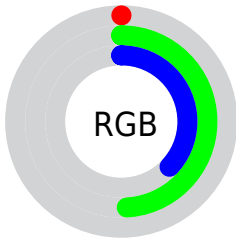
Format	Color
RYB	0, 71, 124
Decimal	31838
CIELab	45.94, -37.17, 8.20
CIELCh	46, 38.066, 167.567
Yxy	15.2235, 0.2461, 0.4060
Android (android.graphics.Color)	4278221918 (0xFF007C5E)
YUV	83.5040, 5.1745, -73.2330
Hunter-Lab	39.0173, -26.0639, 7.4892

Details

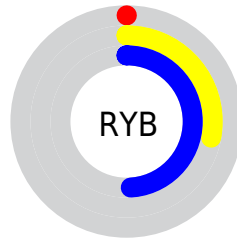
The Yxy color **15.2235, 0.2461, 0.4060** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.3790, 0.5875, 0.3010**, and the grayscale version is **8.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0776, 0.2630, 0.3860**, and **5.1110, 0.2545, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **15.2245, 0.2461, 0.4060**, and if you desaturate by 10%, it is **15.3605, 0.2463, 0.3973**.

Distribution



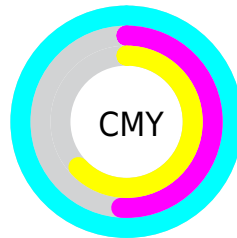
- Red (0%)
- Green (49%)
- Blue (37%)



- Red (0%)
- Yellow (28%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2235, 0.2461, 0.4060 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 15.2235, 0.2461, 0.4060 by changing the saturation by 10% instead.


 15.2235, 0.2461,
0.4060

 15.2235, 0.2461,
0.4060


 224.7150, 0.2862,
0.3588


 8.9764, 0.2328,
0.4224


 35.2448, 0.2628,
0.3860


 4.7258, 0.2131,
0.4473

 49.7878, 0.2683,
0.3794


 2.0873, 0.1807,
0.4902

 67.8648, 0.2728,
0.3742

 0.6575, 0.0000,
0.8215

 89.8603, 0.2764,
0.3699

 0.0000, 0.0000,
0.0000

 116.1587, 0.2795,
0.3664

 147.1444, 0.2820,

0.3635

183.2017, 0.2842,
0.3609

■ 15.2235, 0.2461,
0.4060

■ 15.2235, 0.2461,
0.4060

■ 15.2245, 0.2461,
0.4060

■ 15.3605, 0.2463,
0.3973

■ 15.5406, 0.2477,
0.3887

■ 15.7927, 0.2509,
0.3801

■ 16.1249, 0.2559,
0.3716

■ 16.5446, 0.2626,
0.3633

■ 17.0580, 0.2707,
0.3555

■ 17.6708, 0.2800,
0.3481

■ 18.3883, 0.2903,
0.3412

■ 19.2154, 0.3013,
0.3348

Harmonies

Analogous

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



15.2235, 0.3155, 0.4634



15.2235, 0.2461, 0.4060



15.2235, 0.1983, 0.3234

Triad

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



15.2235, 0.2461, 0.4060



15.2235, 0.2296, 0.2129



15.2235, 0.4658, 0.3721

Complementary

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



15.2235, 0.2461, 0.4060



4.3790, 0.5875, 0.3010

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.



15.2235, 0.4399, 0.3158



15.2235, 0.2461, 0.4060



15.2235, 0.2942, 0.2293

Square

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



15.2235, 0.2461, 0.4060



15.2235, 0.1909, 0.2206



15.2235, 0.3733, 0.2656



15.2235, 0.4443, 0.4269

Rectangle

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



15.2235, 0.2461, 0.4060



15.2235, 0.1828, 0.2757



15.2235, 0.3733, 0.2656



15.2235, 0.4627, 0.3530

Sweetspot

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



15.2245, 0.2461, 0.4060



31.0120, 0.2793, 0.3486



14.7074, 0.3121, 0.5904



7.2116, 0.2759, 0.3511



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.



15.2245, 0.2461, 0.4060



26.7677, 0.2467, 0.4080



9.2844, 0.2025, 0.2489



4.4967, 0.3023, 0.3342



15.4759, 0.2461, 0.4061



73.6829, 0.2474, 0.4105

Inverse Universe

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



4.3790, 0.5875, 0.3010



7.6863, 0.5931, 0.3041



5.2653, 0.6021, 0.3601



4.0295, 0.3242, 0.3238



4.4511, 0.5877, 0.3011



21.1170, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 15.2235, 0.2461, 0.4060 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 15.2235, 0.2461, 0.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

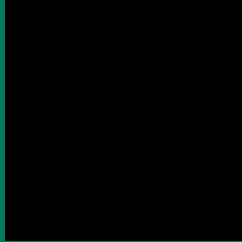
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2235, 0.2461, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 15.2235, 0.2461, 0.4060.



This preview shows how white text looks on a background with the Yxy color 15.2235, 0.2461, 0.4060.

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

15.2235, 0.2461, 0.4060

Protanopia

15.0418, 0.3518, 0.3749

Deuteranopia

15.1959, 0.3482, 0.3431



Tritanopia

15.2100, 0.2292, 0.3060

Trichromacy



Original Color

15.2235, 0.2461, 0.4060

Protanomaly

14.1724, 0.2906, 0.3897

Deuteranomaly

14.0711, 0.2874, 0.3645

Tritanomaly

15.1424, 0.2339, 0.3408

Monochromacy



Original Color

15.2235, 0.2461, 0.4060

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.3851, 0.2661, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2235, 0.2461, 0.4060 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, 124, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 94)  
}
```

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, 124, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 94) }
```

Border

The CSS property to change the border of an element to Yxy 15.2235, 0.2461, 0.4060 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, 124, 94) }
```

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

```
.border{ border-color:rgb(0, 124, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 124, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2235, 0.2461, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 94) }
```

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

```
.background{ background-color: rgb(0, 124,  
94) }
```

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