

Converting Colors

$Yxy(13.1231, 0.1711, 0.4583)$

Have a look what the booklet for
Yxy(13.1231, 0.1711, 0.4583)
contains.

Yxy(15.0554, 0.2539, 0.4340)	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

$Y_{xy}(15.0554, 0.2539, 0.4340)$

Conversions

Conversions Part 1

Format	Color
Hex	007C54
RGB	0, 124, 84
RGB Percent	0%, 49%, 33%
CMY	0.9999, 0.5137, 0.6706
CMYK	1.00, 0.00, 0.32, 0.51
HSL	161°, 100%, 24%
HSV	161°, 100%, 49%
XYZ	8.8078, 15.0554, 10.8267
YIQ	82.3640, -61.0640, -38.7280

Conversions

Conversions Part 2

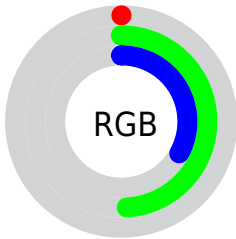
Format	Color
RYB	0, 74, 124
Decimal	31828
CIELab	45.71, -39.73, 13.74
CIELCh	46, 42.038, 160.922
Yxy	15.0554, 0.2539, 0.4340
Android (android.graphics.Color)	4278221908 (0xFF007C54)
YUV	82.3640, 0.8065, -72.2332
Hunter-Lab	38.8013, -27.3834, 10.6172

Details

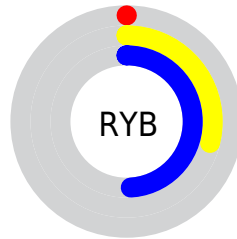
The Yxy color **15.0554, 0.2539, 0.4340** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.4395, 0.5594, 0.2856**, and the grayscale version is **8.5245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1398, 0.2691, 0.4061**, and **5.0440, 0.2655, 0.4757** is the 20% darker color. If you saturate the color by 10%, you get **15.0556, 0.2539, 0.4340**, and if you desaturate by 10%, it is **15.2016, 0.2534, 0.4221**.

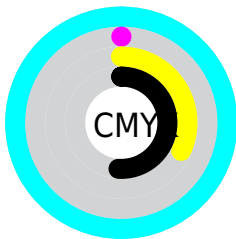
Distribution



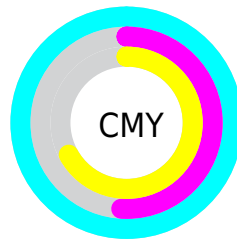
- Red (0%)
- Green (49%)
- Blue (33%)



- Red (0%)
- Yellow (29%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0554, 0.2539, 0.4340 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 15.0554, 0.2539, 0.4340 by changing the saturation by 10% instead.

15.0554, 0.2539,
0.4340

15.0554, 0.2539,
0.4340

223.7013, 0.2902,
0.3685

8.8583, 0.2412,
0.4574

34.9503, 0.2694,
0.4058

4.6489, 0.2218,
0.4937

49.4169, 0.2744,
0.3967

2.0427, 0.1867,
0.5583

67.4088, 0.2784,
0.3895

0.6321, 0.0000,
1.0000

89.3104, 0.2817,
0.3837

0.0000, 0.0000,
0.0000

115.5060, 0.2844,
0.3789

146.3801, 0.2866,

0.3749

182.3171, 0.2886,
0.3715

15.0554, 0.2539,
0.4340

15.0554, 0.2539,
0.4340

15.0556, 0.2539,
0.4340

15.2016, 0.2534,
0.4221

15.3930, 0.2542,
0.4102

15.6580, 0.2567,
0.3984

16.0048, 0.2611,
0.3867

16.4406, 0.2671,
0.3754

■ 16.9719, 0.2745,
0.3647

■ 17.6042, 0.2830,
0.3546

■ 18.3430, 0.2924,
0.3453

■ 19.1932, 0.3024,
0.3367

Harmonies

Analogous

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



15.0554, 0.3323, 0.4853



15.0554, 0.2539, 0.4340



15.0554, 0.1959, 0.3419

Triad

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



15.0554, 0.2539, 0.4340



15.0554, 0.2098, 0.2020



15.0554, 0.4802, 0.3602

Complementary

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



15.0554, 0.2539, 0.4340



4.4395, 0.5594, 0.2856

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.



15.0554, 0.4403, 0.3005



15.0554, 0.2539, 0.4340



15.0554, 0.2740, 0.2145

Square

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



15.0554, 0.2539, 0.4340



15.0554, 0.1750, 0.2159



15.0554, 0.3598, 0.2493



15.0554, 0.4658, 0.4213

Rectangle

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



15.0554, 0.2539, 0.4340



15.0554, 0.1749, 0.2849



15.0554, 0.3598, 0.2493



15.0554, 0.4729, 0.3398

Sweetspot

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



15.0560, 0.2539, 0.4340



30.8895, 0.2823, 0.3554



14.8947, 0.3194, 0.5846



7.1799, 0.2793, 0.3588



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.



15.0560, 0.2539, 0.4340



26.4673, 0.2546, 0.4367



11.2240, 0.2103, 0.2769



4.4915, 0.3033, 0.3360



15.3044, 0.2539, 0.4341



72.8428, 0.2556, 0.4402

Inverse Universe

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



4.4395, 0.5594, 0.2856



7.7874, 0.5654, 0.2888



4.8106, 0.6186, 0.3470



4.0344, 0.3231, 0.3221



4.5117, 0.5597, 0.2857



21.3809, 0.5728, 0.2929

Previews

White Background



This preview shows how the Yxy color 15.0554, 0.2539, 0.4340 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 15.0554, 0.2539, 0.4340 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 15.0554, 0.2539, 0.4340

Background



This preview shows how black text looks on a background with the Yxy color 15.0554, 0.2539, 0.4340.



This preview shows how white text looks on a background with the Yxy color 15.0554, 0.2539, 0.4340.

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

15.0554, 0.2539, 0.4340

Protanopia

14.9739, 0.3654, 0.3935

Deuteranopia

14.9819, 0.3645, 0.3590



Tritanopia

15.0290, 0.2315, 0.3059

Trichromacy



Original Color

15.0554, 0.2539, 0.4340

Protanomaly

14.0697, 0.3015, 0.4123

Deuteranomaly

13.7625, 0.3011, 0.3868

Tritanomaly

14.8358, 0.2370, 0.3483

Monochromacy



Original Color

15.0554, 0.2539, 0.4340

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

9.9040, 0.2699, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0554, 0.2539, 0.4340 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 84) }
```

Border

The CSS property to change the border of an element to Yxy 15.0554, 0.2539, 0.4340 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, 84) }
```

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

```
.border{ border-color:rgb(0, 124, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 124, 84)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0554, 0.2539, 0.4340 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, 84) }
```

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

```
.background{ background-color: rgb(0, 124,  
84) }
```

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