

Converting Colors

$Y_{xy}(15.3654, 0.1520, 0.4181)$

Have a look what the booklet for
Yxy(15.3654, 0.1520, 0.4181)
contains.

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Color

Yxy(18.3274, 0.2451, 0.4025)

Conversions

Conversions Part 1

Format	Color
Hex	008768
RGB	0, 135, 104
RGB Percent	0%, 53%, 41%
CMY	1.0000, 0.4706, 0.5922
CMYK	1.00, 0.00, 0.23, 0.47
HSL	166°, 100%, 26%
HSV	166°, 100%, 53%
XYZ	11.1604, 18.3274, 16.0462
YIQ	91.1010, -70.5090, -38.2610

Conversions

Conversions Part 2

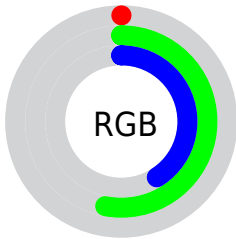
Format	Color
RYB	0, 76, 135
Decimal	34664
CIELab	49.89, -39.17, 7.96
CIELCh	50, 39.973, 168.508
Yxy	18.3274, 0.2451, 0.4025
Android (android.graphics.Color)	4278224744 (0xFF008768)
YUV	91.1010, 6.3592, -79.8956
Hunter-Lab	42.8105, -28.3849, 7.7444

Details

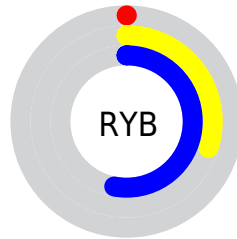
The Yxy color **18.3274, 0.2451, 0.4025** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.2505, 0.5933, 0.3042**, and the grayscale version is **10.4843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5556, 0.2615, 0.3843**, and **6.6361, 0.2523, 0.4284** is the 20% darker color. If you saturate the color by 10%, you get **18.3296, 0.2451, 0.4025**, and if you desaturate by 10%, it is **18.4832, 0.2453, 0.3943**.

Distribution



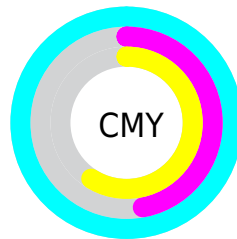
- Red (0%)
- Green (53%)
- Blue (41%)



- Red (0%)
- Yellow (30%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3274, 0.2451, 0.4025 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 18.3274, 0.2451, 0.4025 by changing the saturation by 10% instead.


 18.3274, 0.2451,
0.4025


 18.3274, 0.2451,
0.4025


242.7100, 0.2846,
0.3586


 11.1853, 0.2327,
0.4169


 40.5944, 0.2612,
0.3843


 6.1916, 0.2148,
0.4382

 56.4881, 0.2667,
0.3782

 2.9619, 0.1871,
0.4726

 76.0678, 0.2711,
0.3733

 1.1119, 0.0461,
0.6070

 99.7179, 0.2748,
0.3693

 0.0000, 0.0000,
0.0000

 127.8228, 0.2778,
0.3660

 160.7668, 0.2804,

0.3631

198.9344, 0.2827,
0.3607

■ 18.3274, 0.2451,
0.4025

■ 18.3274, 0.2451,
0.4025

■ 18.3296, 0.2451,
0.4025

■ 18.4832, 0.2453,
0.3943

■ 18.6934, 0.2466,
0.3860

■ 18.9905, 0.2498,
0.3778

■ 19.3849, 0.2549,
0.3697

■ 19.8854, 0.2616,
0.3619

■ 20.4999, 0.2698,
0.3543

■ 21.2354, 0.2793,
0.3472

■ 22.0985, 0.2898,
0.3406

■ 23.0952, 0.3010,
0.3345

Harmonies

Analogous

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



18.3274, 0.3133, 0.4605



18.3274, 0.2451, 0.4025



18.3274, 0.1986, 0.3211

Triad

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



18.3274, 0.2451, 0.4025



18.3274, 0.2322, 0.2143



18.3274, 0.4640, 0.3736

Complementary

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



18.3274, 0.2451, 0.4025



5.2505, 0.5933, 0.3042

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.



18.3274, 0.4398, 0.3177



18.3274, 0.2451, 0.4025



18.3274, 0.2968, 0.2312

Square

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



18.3274, 0.2451, 0.4025



18.3274, 0.1930, 0.2212



18.3274, 0.3750, 0.2678



18.3274, 0.4415, 0.4275

Rectangle

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



18.3274, 0.2451, 0.4025



18.3274, 0.1839, 0.2745



18.3274, 0.3750, 0.2678



18.3274, 0.4613, 0.3547

Sweetspot

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



18.3296, 0.2451, 0.4025



37.9283, 0.2786, 0.3477



17.6293, 0.3103, 0.5918



8.6671, 0.2750, 0.3503



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.3296, 0.2451, 0.4025



32.7956, 0.2456, 0.4043



10.6743, 0.2007, 0.2424



5.2611, 0.3020, 0.3340



16.9022, 0.2451, 0.4022



0.0597, 0.2344, 0.3638

Inverse Universe

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



5.2505, 0.5933, 0.3042



9.3803, 0.5984, 0.3070



6.4134, 0.5997, 0.3620



4.7049, 0.3246, 0.3240



4.8428, 0.5924, 0.3037



0.0177, 0.4930, 0.2489

Previews

White Background



This preview shows how the Yxy color 18.3274, 0.2451, 0.4025 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 18.3274, 0.2451, 0.4025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

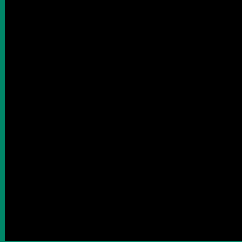
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3274, 0.2451, 0.4025

Background



This preview shows how black text looks on a background with the Yxy color 18.3274, 0.2451, 0.4025.



This preview shows how white text looks on a background with the Yxy color 18.3274, 0.2451, 0.4025.

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

18.3274, 0.2451, 0.4025

Protanopia

18.1614, 0.3487, 0.3715

Deuteranopia

18.1253, 0.3444, 0.3383



Tritanopia

18.3806, 0.2285, 0.3056

Trichromacy



Original Color

18.3274, 0.2451, 0.4025

Protanomaly

17.0216, 0.2888, 0.3850

Deuteranomaly

16.9119, 0.2858, 0.3618

Tritanomaly

18.2941, 0.2325, 0.3376

Monochromacy



Original Color

18.3274, 0.2451, 0.4025

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

12.2595, 0.2655, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3274, 0.2451, 0.4025 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, 135, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 104)  
}
```

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, 135, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 104) }
```

Border

The CSS property to change the border of an element to Yxy 18.3274, 0.2451, 0.4025 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, 135, 104) }
```

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

```
.border{ border-color:rgb(0, 135, 104) }
```

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

Here you see how a box with a 4 pixel rgb(0, 135, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3274, 0.2451, 0.4025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 104) }
```

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

```
.background{ background-color: rgb(0, 135,  
104) }
```

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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