

Converting Colors

$Yxy(18.3648, 0.2180, 0.3048)$

Have a look what the booklet for
Yxy(18.3648, 0.2180, 0.3048)
contains.

Yxy(18.4857, 0.2181, 0.3053)	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(18.4857, 0.2181, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	00848F
RGB	0, 132, 143
RGB Percent	0%, 52%, 56%
CMY	1.0000, 0.4823, 0.4392
CMYK	1.00, 0.08, 0.00, 0.44
HSL	185°, 100%, 28%
HSV	185°, 100%, 56%
XYZ	13.2058, 18.4857, 28.8578
YIQ	93.7860, -82.2030, -24.5630

Conversions

Conversions Part 2

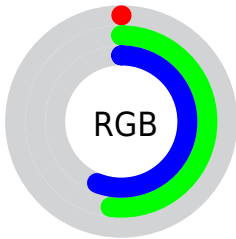
Format	Color
RYB	0, 69, 143
Decimal	33935
CIELab	50.08, -25.86, -14.54
CIELCh	50, 29.666, 209.344
Yxy	18.4857, 0.2181, 0.3053
Android (android.graphics.Color)	4278224015 (0xFF00848F)
YUV	93.7860, 24.2625, -82.2503
Hunter-Lab	42.9950, -20.4154, -9.6983

Details

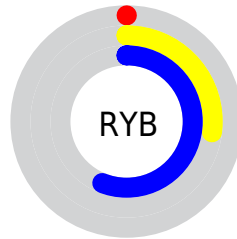
The Yxy color **18.4857, 0.2181, 0.3053** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.0786, 0.6326, 0.3359**, and the grayscale version is **11.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6604, 0.2382, 0.3107**, and **6.8249, 0.2150, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **18.4885, 0.2181, 0.3053**, and if you desaturate by 10%, it is **18.8839, 0.2208, 0.3078**.

Distribution



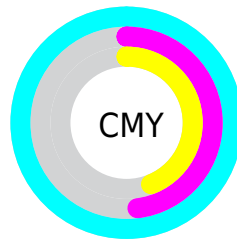
- Red (0%)
- Green (52%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (44%)




- Cyan (100%)
- Magenta (48%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4857, 0.2181, 0.3053 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 18.4857, 0.2181, 0.3053 by changing the saturation by 10% instead.


 18.4857, 0.2181,
0.3053


 18.4857, 0.2181,
0.3053


 243.5946, 0.2708,
0.3205


 11.2993, 0.2030,
0.2999


 40.8632, 0.2387,
0.3119


 6.2685, 0.1825,
0.2917

 56.8231, 0.2460,
0.3140


 3.0090, 0.1532,
0.2781

 76.4762, 0.2520,
0.3157

 1.1364, 0.0969,
0.2563

 100.2070, 0.2570,
0.3170

 0.0089, 0.0000,
0.0085

 128.3998, 0.2612,
0.3181

 0.0000, 0.0000,
0.0000

 161.4391, 0.2649,

0.3191

199.7093, 0.2681,
0.3198

■ 18.4857, 0.2181,
0.3053

■ 18.4857, 0.2181,
0.3053

■ 18.4885, 0.2181,
0.3053

■ 18.8839, 0.2208,
0.3078

■ 19.3463, 0.2247,
0.3104

■ 19.9083, 0.2304,
0.3129

■ 20.5817, 0.2379,
0.3155

■ 21.3768, 0.2471,
0.3180

■ 22.3026, 0.2579,
0.3204

■ 23.3674, 0.2702,
0.3228

■ 24.5785, 0.2836,
0.3250

■ 25.9429, 0.2978,
0.3271

Harmonies

Analogous

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



18.4857, 0.2474, 0.3620



18.4857, 0.2181, 0.3053



18.4857, 0.2122, 0.2629

Triad

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



18.4857, 0.2181, 0.3053



18.4857, 0.3225, 0.2623



18.4857, 0.3984, 0.4176

Complementary

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



18.4857, 0.2181, 0.3053



6.0786, 0.6326, 0.3359

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.



18.4857, 0.4239, 0.3818



18.4857, 0.2181, 0.3053



18.4857, 0.3788, 0.2960

Square

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



18.4857, 0.2181, 0.3053



18.4857, 0.2682, 0.2430



18.4857, 0.4172, 0.3382



18.4857, 0.3508, 0.4319

Rectangle

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



18.4857, 0.2181, 0.3053



18.4857, 0.2212, 0.2467



18.4857, 0.4172, 0.3382



18.4857, 0.4100, 0.4073

Sweetspot

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



18.4885, 0.2181, 0.3053



41.7196, 0.2694, 0.3226



19.6654, 0.2984, 0.5943



9.3964, 0.2646, 0.3218



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.4885, 0.2181, 0.3053



32.9980, 0.2180, 0.3048



5.4247, 0.1722, 0.1399



6.0464, 0.2990, 0.3273



16.3613, 0.2182, 0.3054



0.1701, 0.2217, 0.3180

Inverse Universe

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



7.5057, 0.3408, 0.1651



13.4305, 0.3412, 0.1653



11.7292, 0.5187, 0.4263



5.5040, 0.3148, 0.3089



6.6380, 0.3407, 0.1650



0.0648, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 18.4857, 0.2181, 0.3053 looks on a white 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

Black Background



This preview shows how the Yxy color 18.4857, 0.2181, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

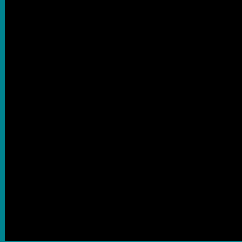
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4857, 0.2181, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 18.4857, 0.2181, 0.3053.

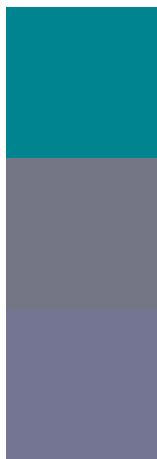


This preview shows how white text looks on a background with the Yxy color 18.4857, 0.2181, 0.3053.

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

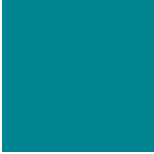
18.4857, 0.2181, 0.3053

Protanopia

18.3911, 0.2923, 0.2989

Deuteranopia

18.3104, 0.2786, 0.2726



Tritanopia

18.4857, 0.2181, 0.3053

Trichromacy



Original Color

18.4857, 0.2181, 0.3053

Protanomaly

17.4279, 0.2481, 0.2999

Deuteranomaly

17.4502, 0.2407, 0.2806

Tritanomaly

18.4857, 0.2181, 0.3053

Monochromacy



Original Color

18.4857, 0.2181, 0.3053

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.8556, 0.2520, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4857, 0.2181, 0.3053 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, 132, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 143)  
}
```

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, 132, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 143) }
```

Border

The CSS property to change the border of an element to Yxy 18.4857, 0.2181, 0.3053 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, 132, 143) }
```

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

```
.border{ border-color:rgb(0, 132, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 132, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4857, 0.2181, 0.3053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 143) }
```

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

```
.background{ background-color: rgb(0, 132,  
143) }
```

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