

Converting Colors

$Yxy(19.9244, 0.2166, 0.2998)$

Have a look what the booklet for
Yxy(19.9244, 0.2166, 0.2998)
contains.

Yxy(19.8103, 0.2167, 0.3000)	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(19.8103, 0.2167, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	008896
RGB	0, 136, 150
RGB Percent	0%, 53%, 59%
CMY	0.9991, 0.4667, 0.4118
CMYK	1.00, 0.09, 0.00, 0.41
HSL	186°, 100%, 29%
HSV	186°, 100%, 59%
XYZ	14.3096, 19.8103, 31.9144
YIQ	96.9320, -85.5500, -24.4780

Conversions

Conversions Part 2

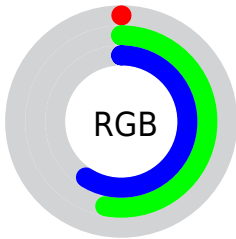
Format	Color
RYB	0, 71, 150
Decimal	34966
CIELab	51.62, -25.48, -16.26
CIELCh	52, 30.231, 212.546
Yxy	19.8103, 0.2167, 0.3000
Android (android.graphics.Color)	4278225046 (0xFF008896)
YUV	96.9320, 26.1625, -85.0094
Hunter-Lab	44.5088, -20.5023, -11.3569

Details

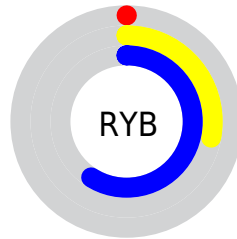
The Yxy color **19.8103, 0.2167, 0.3000** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **6.8022, 0.6309, 0.3370**, and the grayscale version is **11.9037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2128, 0.2372, 0.3083**, and **7.5564, 0.2137, 0.2895** is the 20% darker color. If you saturate the color by 10%, you get **19.8036, 0.2167, 0.3000**, and if you desaturate by 10%, it is **20.3100, 0.2195, 0.3031**.

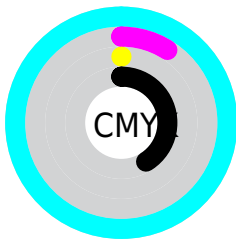
Distribution



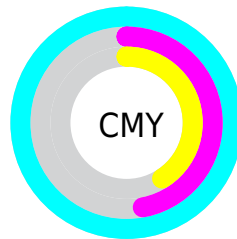
- Red (0%)
- Green (53%)
- Blue (59%)



- Red (0%)
- Yellow (28%)
- Blue (59%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (41%)





- Cyan (100%)
- Magenta (47%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8103, 0.2167, 0.3000 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 19.8103, 0.2167, 0.3000 by changing the saturation by 10% instead.


 19.8103, 0.2167,
0.3000


 19.8103, 0.2167,
0.3000


 250.8863, 0.2696,
0.3181


 12.2572, 0.2019,
0.2939


 43.0989, 0.2371,
0.3076


 6.9191, 0.1819,
0.2848


 59.6032, 0.2444,
0.3102


 3.4116, 0.1538,
0.2703

 79.8601, 0.2505,
0.3122

 1.3502, 0.1092,
0.2455

 104.2539, 0.2555,
0.3138

 0.1796, 0.0000,
0.1150

 133.1690, 0.2598,
0.3152

 0.0000, 0.0000,
0.0000

 166.9899, 0.2635,

0.3163

206.1008, 0.2667,
0.3173

■ 19.8103, 0.2167,
0.3000

■ 19.8103, 0.2167,
0.3000

■ 19.8036, 0.2167,
0.3000

■ 20.3100, 0.2195,
0.3031

■ 20.8880, 0.2236,
0.3062

■ 21.5788, 0.2294,
0.3094

■ 22.3959, 0.2371,
0.3125

■ 23.3508, 0.2466,
0.3156

■ 24.4536, 0.2576,
0.3186

■ 25.7136, 0.2701,
0.3215

■ 27.1392, 0.2836,
0.3242

■ 28.7381, 0.2980,
0.3267

Harmonies

Analogous

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



19.8103, 0.2435, 0.3557



19.8103, 0.2167, 0.3000



19.8103, 0.2133, 0.2599

Triad

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



19.8103, 0.2167, 0.3000



19.8103, 0.3287, 0.2656



19.8103, 0.3938, 0.4201

Complementary

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



19.8103, 0.2167, 0.3000



6.8022, 0.6309, 0.3370

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.



19.8103, 0.4221, 0.3860



19.8103, 0.2167, 0.3000



19.8103, 0.3837, 0.3004

Square

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



19.8103, 0.2167, 0.3000



19.8103, 0.2736, 0.2446



19.8103, 0.4191, 0.3429



19.8103, 0.3449, 0.4311

Rectangle

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



19.8103, 0.2167, 0.3000



19.8103, 0.2239, 0.2454



19.8103, 0.4191, 0.3429



19.8103, 0.4062, 0.4105

Sweetspot

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



19.8110, 0.2167, 0.3000



45.2178, 0.2691, 0.3213



21.8357, 0.2981, 0.5930



9.8280, 0.2643, 0.3202



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



19.8110, 0.2167, 0.3000



34.8227, 0.2165, 0.2994



5.7163, 0.1707, 0.1344



6.4706, 0.2990, 0.3269



16.4545, 0.2167, 0.3002



0.2231, 0.2210, 0.3155

Inverse Universe

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



8.2645, 0.3454, 0.1677



14.5660, 0.3460, 0.1680



13.3936, 0.5143, 0.4297



5.9000, 0.3151, 0.3092



6.8544, 0.3453, 0.1676



0.0861, 0.3320, 0.1602

Previews

White Background



This preview shows how the Yxy color 19.8103, 0.2167, 0.3000 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 19.8103, 0.2167, 0.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

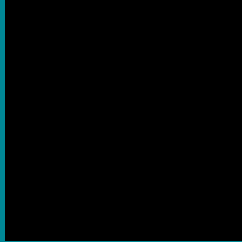
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8103, 0.2167, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 19.8103, 0.2167, 0.3000.

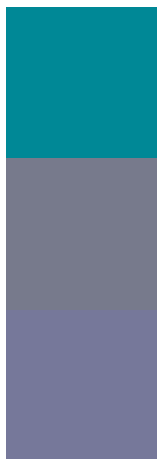


This preview shows how white text looks on a background with the Yxy color 19.8103, 0.2167, 0.3000.

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

19.8103, 0.2167, 0.3000

Protanopia

19.7345, 0.2896, 0.2961

Deuteranopia

19.6176, 0.2745, 0.2690



Tritanopia

19.7149, 0.2183, 0.3059

Trichromacy



Original Color

19.8103, 0.2167, 0.3000

Protanomaly

18.7289, 0.2457, 0.2949

Deuteranomaly

18.7175, 0.2379, 0.2764

Tritanomaly

19.7464, 0.2178, 0.3039

Monochromacy



Original Color

19.8103, 0.2167, 0.3000

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.6540, 0.2513, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8103, 0.2167, 0.3000 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, 136, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 150)  
}
```

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, 136, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 150) }
```

Border

The CSS property to change the border of an element to Yxy 19.8103, 0.2167, 0.3000 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, 136, 150) }
```

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

```
.border{ border-color:rgb(0, 136, 150) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8103, 0.2167, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 150) }
```

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

```
.background{ background-color: rgb(0, 136,  
150) }
```

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