

Converting Colors

$Y_{xy}(19.9460, 0.2151, 0.2945)$

Have a look what the booklet for
Yxy(19.9460, 0.2151, 0.2945)
contains.

Yxy(19.9082, 0.2151, 0.2942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.9082, 0.2151, 0.2942)$

Conversions

Conversions Part 1

Format	Color
Hex	008899
RGB	0, 136, 153
RGB Percent	0%, 53%, 60%
CMY	0.9987, 0.4667, 0.4001
CMYK	1.00, 0.11, 0.00, 0.40
HSL	187°, 100%, 30%
HSV	187°, 100%, 60%
XYZ	14.5556, 19.9082, 33.2051
YIQ	97.2740, -86.5130, -23.5450

Conversions

Conversions Part 2

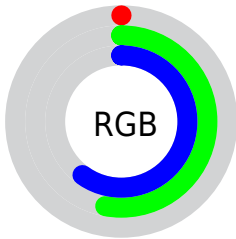
Format	Color
RYB	0, 72, 153
Decimal	34969
CIELab	51.73, -24.45, -17.84
CIElCh	52, 30.264, 216.118
Yxy	19.9082, 0.2151, 0.2942
Android (android.graphics.Color)	4278225049 (0xFF008899)
YUV	97.2740, 27.4729, -85.3093
Hunter-Lab	44.6186, -19.8519, -12.8906

Details

The Yxy color **19.9082, 0.2151, 0.2942** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.1821, 0.6288, 0.3385**, and the grayscale version is **11.9962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4066, 0.2361, 0.3041**, and **7.6149, 0.2115, 0.2812** is the 20% darker color. If you saturate the color by 10%, you get **19.8966, 0.2150, 0.2941**, and if you desaturate by 10%, it is **20.4970, 0.2181, 0.2979**.

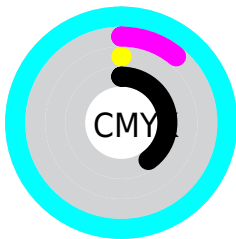
Distribution



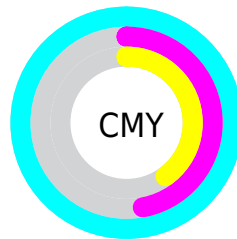
- Red (0%)
- Green (53%)
- Blue (60%)



- Red (0%)
- Yellow (28%)
- Blue (60%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (40%)





- Cyan (100%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9082, 0.2151, 0.2942 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 19.9082, 0.2151, 0.2942 by changing the saturation by 10% instead.


 19.9082, 0.2151,
0.2942


 19.9082, 0.2151,
0.2942


 251.4177, 0.2687,
0.3156


 12.3283, 0.2001,
0.2872


 43.2632, 0.2358,
0.3031


 6.9677, 0.1801,
0.2769


 59.8072, 0.2432,
0.3061


 3.4419, 0.1520,
0.2607

 80.1079, 0.2493,
0.3085

 1.3666, 0.1089,
0.2333

 104.5499, 0.2544,
0.3104

 0.1919, 0.0000,
0.1105

 133.5175, 0.2588,
0.3120

 0.0000, 0.0000,
0.0000

 167.3950, 0.2626,

0.3134

206.5670, 0.2658,
0.3145

■ 19.9082, 0.2151,
0.2942

■ 19.9082, 0.2151,
0.2942

■ 19.8966, 0.2150,
0.2941

■ 20.4970, 0.2181,
0.2979

■ 21.1712, 0.2224,
0.3017

■ 21.9657, 0.2285,
0.3055

■ 22.8948, 0.2364,
0.3093

■ 23.9705, 0.2461,
0.3130

■ 25.2035, 0.2573,
0.3166

■ 26.6034, 0.2699,
0.3200

■ 28.1793, 0.2836,
0.3233

■ 29.9392, 0.2981,
0.3263

Harmonies

Analogous

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



19.9082, 0.2392, 0.3487



19.9082, 0.2151, 0.2942



19.9082, 0.2145, 0.2566

Triad

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



19.9082, 0.2151, 0.2942



19.9082, 0.3356, 0.2691



19.9082, 0.3888, 0.4229

Complementary

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



19.9082, 0.2151, 0.2942



7.1821, 0.6288, 0.3385

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.



19.9082, 0.4202, 0.3908



19.9082, 0.2151, 0.2942



19.9082, 0.3893, 0.3052

Square

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



19.9082, 0.2151, 0.2942



19.9082, 0.2796, 0.2462



19.9082, 0.4212, 0.3482



19.9082, 0.3384, 0.4301

Rectangle

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



19.9082, 0.2151, 0.2942



19.9082, 0.2269, 0.2438



19.9082, 0.4212, 0.3482



19.9082, 0.4020, 0.4142

Sweetspot

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



19.9089, 0.2151, 0.2942



47.4413, 0.2689, 0.3198



22.8155, 0.2977, 0.5915



10.2564, 0.2639, 0.3185



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.9089, 0.2151, 0.2942



35.4714, 0.2148, 0.2934



5.6806, 0.1693, 0.1292



6.9091, 0.2989, 0.3265



16.4780, 0.2151, 0.2944



0.2754, 0.2198, 0.3111

Inverse Universe

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



8.5553, 0.3506, 0.1706



15.2935, 0.3513, 0.1709



14.4120, 0.5097, 0.4332



6.3118, 0.3153, 0.3095



7.0688, 0.3504, 0.1704



0.1086, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 19.9082, 0.2151, 0.2942 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 19.9082, 0.2151, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

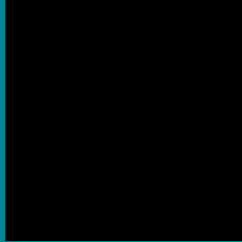
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9082, 0.2151, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 19.9082, 0.2151, 0.2942.

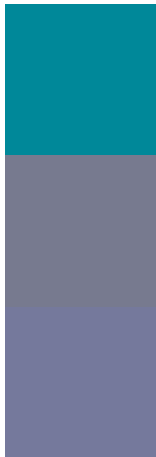


This preview shows how white text looks on a background with the Yxy color 19.9082, 0.2151, 0.2942.

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

19.9082, 0.2151, 0.2942

Protanopia

19.8242, 0.2866, 0.2910

Deuteranopia

19.8570, 0.2717, 0.2674



Tritanopia

20.0294, 0.2183, 0.3060

Trichromacy



Original Color

19.9082, 0.2151, 0.2942

Protanomaly

18.8218, 0.2434, 0.2893

Deuteranomaly

18.7841, 0.2365, 0.2729

Tritanomaly

20.0933, 0.2173, 0.3021

Monochromacy



Original Color

19.9082, 0.2151, 0.2942

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.6774, 0.2504, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9082, 0.2151, 0.2942 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 153) }
```

Border

The CSS property to change the border of an element to Yxy 19.9082, 0.2151, 0.2942 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, 153) }
```

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

```
.border{ border-color:rgb(0, 136, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9082, 0.2151, 0.2942 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, 153) }
```

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

```
.background{ background-color: rgb(0, 136,  
153) }
```

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