

Converting Colors

$Yxy(23.5505, 0.2236, 0.3249)$

Have a look what the booklet for
Yxy(23.5505, 0.2236, 0.3249)
contains.

Yxy(23.3818, 0.2236, 0.3248)	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(23.3818, 0.2236, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	009496
RGB	0, 148, 150
RGB Percent	0%, 58%, 59%
CMY	0.9986, 0.4196, 0.4118
CMYK	1.00, 0.01, 0.00, 0.41
HSL	181°, 100%, 29%
HSV	181°, 100%, 59%
XYZ	16.0966, 23.3818, 32.5099
YIQ	103.9760, -88.8500, -30.7540

Conversions

Conversions Part 2

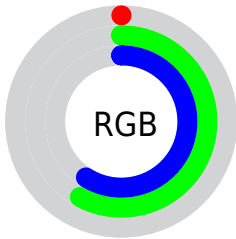
Format	Color
RYB	0, 74, 150
Decimal	38038
CIELab	55.46, -31.40, -10.46
CIELCh	55, 33.097, 198.426
Yxy	23.3818, 0.2236, 0.3248
Android (android.graphics.Color)	4278228118 (0xFF009496)
YUV	103.9760, 22.6898, -91.1870
Hunter-Lab	48.3547, -25.2007, -6.0136

Details

The Yxy color **23.3818, 0.2236, 0.3248** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.5335, 0.6383, 0.3309**, and the grayscale version is **13.8211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1954, 0.2421, 0.3274**, and **9.4502, 0.2231, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **23.3789, 0.2236, 0.3248**, and if you desaturate by 10%, it is **23.5473, 0.2255, 0.3252**.

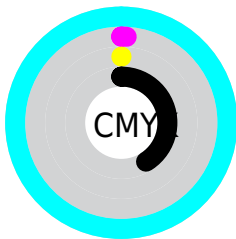
Distribution



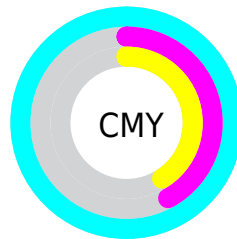
- Red (0%)
- Green (58%)
- Blue (59%)



- Red (0%)
- Yellow (29%)
- Blue (59%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (41%)





- Cyan (100%)
- Magenta (42%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3818, 0.2236, 0.3248 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 23.3818, 0.2236, 0.3248 by changing the saturation by 10% instead.


 23.3818, 0.2236,
0.3248


 23.3818, 0.2236,
0.3248


269.6800, 0.2719,
0.3285


 14.8757, 0.2103,
0.3231


 49.0195, 0.2421,
0.3267


 8.7322, 0.1926,
0.3203


 66.9198, 0.2487,
0.3272

 4.5669, 0.1678,
0.3152

 88.7204, 0.2542,
0.3276

 1.9955, 0.1315,
0.3049

 114.8055, 0.2589,
0.3279

 0.6048, 0.0000,
0.2935

 145.5597, 0.2628,
0.3281

 0.0000, 0.0000,
0.0000

 181.3672, 0.2663,

0.3283

222.6125, 0.2692,
0.3284

■ 23.3818, 0.2236,
0.3248

■ 23.3818, 0.2236,
0.3248

■ 23.3789, 0.2236,
0.3248

■ 23.5473, 0.2255,
0.3252

■ 23.7865, 0.2286,
0.3256

■ 24.1336, 0.2335,
0.3261

■ 24.6019, 0.2403,
0.3265

■ 25.2030, 0.2488,
0.3270

■ 25.9470, 0.2591,
0.3274

■ 26.8430, 0.2709,
0.3278

■ 27.8995, 0.2840,
0.3283

■ 29.1242, 0.2981,
0.3286

Harmonies

Analogous

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



23.3818, 0.2616, 0.3842



23.3818, 0.2236, 0.3248



23.3818, 0.2087, 0.2742

Triad

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



23.3818, 0.2236, 0.3248



23.3818, 0.3012, 0.2513



23.3818, 0.4138, 0.4084

Complementary

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



23.3818, 0.2236, 0.3248



6.5335, 0.6383, 0.3309

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.



23.3818, 0.4290, 0.3671



23.3818, 0.2236, 0.3248



23.3818, 0.3607, 0.2811

Square

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



23.3818, 0.2236, 0.3248



23.3818, 0.2500, 0.2380



23.3818, 0.4094, 0.3219



23.3818, 0.3714, 0.4334

Rectangle

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



23.3818, 0.2236, 0.3248



23.3818, 0.2123, 0.2520



23.3818, 0.4094, 0.3219



23.3818, 0.4224, 0.3957

Sweetspot

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



23.3827, 0.2236, 0.3248



47.2450, 0.2698, 0.3278



21.8092, 0.3000, 0.5998



10.3317, 0.2652, 0.3276



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.



23.3827, 0.2236, 0.3248



41.2493, 0.2235, 0.3247



7.2582, 0.1781, 0.1609



6.5492, 0.2990, 0.3287



19.3997, 0.2236, 0.3248



0.2408, 0.2242, 0.3269

Inverse Universe

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



8.6278, 0.3242, 0.1561



15.2147, 0.3243, 0.1560



11.5375, 0.5378, 0.4109



5.9079, 0.3139, 0.3075



7.1518, 0.3242, 0.1559



0.0879, 0.3224, 0.1550

Previews

White Background



This preview shows how the Yxy color 23.3818, 0.2236, 0.3248 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 23.3818, 0.2236, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

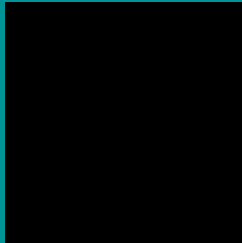
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3818, 0.2236, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 23.3818, 0.2236, 0.3248.

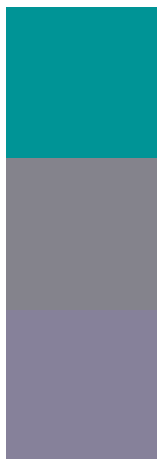


This preview shows how white text looks on a background with the Yxy color 23.3818, 0.2236, 0.3248.

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

23.3818, 0.2236, 0.3248

Protanopia

23.0316, 0.3044, 0.3135

Deuteranopia

23.1019, 0.2924, 0.2873



Tritanopia

23.5773, 0.2216, 0.3057

Trichromacy



Original Color

23.3818, 0.2236, 0.3248

Protanomaly

21.7898, 0.2553, 0.3154

Deuteranomaly

21.8395, 0.2489, 0.2970

Tritanomaly

23.3779, 0.2216, 0.3112

Monochromacy



Original Color

23.3818, 0.2236, 0.3248

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

15.9717, 0.2539, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3818, 0.2236, 0.3248 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, 148, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 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, 148, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 150) }
```

Border

The CSS property to change the border of an element to Yxy 23.3818, 0.2236, 0.3248 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, 148, 150) }
```

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

```
.border{ border-color:rgb(0, 148, 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, 148, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3818, 0.2236, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 150) }
```

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

```
.background{ background-color: rgb(0, 148,  
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