

Converting Colors

$Yxy(23.0429, 0.2291, 0.3449)$

Have a look what the booklet for
Yxy(23.0429, 0.2291, 0.3449)
contains.

Yxy(23.0733, 0.2292, 0.3451)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(23.0733, 0.2292, 0.3451)$

Conversions

Conversions Part 1

Format	Color
Hex	00948C
RGB	0, 148, 140
RGB Percent	0%, 58%, 55%
CMY	1.0000, 0.4196, 0.4509
CMYK	1.00, 0.00, 0.05, 0.42
HSL	177°, 100%, 29%
HSV	177°, 100%, 58%
XYZ	15.3243, 23.0733, 28.4622
YIQ	102.8360, -85.6400, -33.8640

Conversions

Conversions Part 2

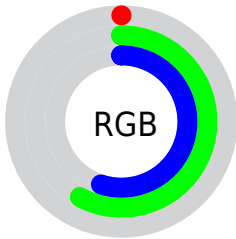
Format	Color
RYB	0, 76, 148
Decimal	38028
CIELab	55.15, -34.54, -5.21
CIELCh	55, 34.928, 188.579
Yxy	23.0733, 0.2292, 0.3451
Android (android.graphics.Color)	4278228108 (0xFF00948C)
YUV	102.8360, 18.3219, -90.1872
Hunter-Lab	48.0347, -27.1147, -1.5071

Details

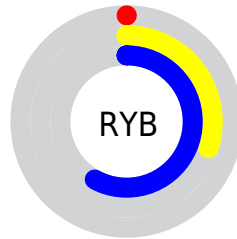
The Yxy color **23.0733, 0.2292, 0.3451** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3137, 0.6327, 0.3259**, and the grayscale version is **13.4869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6368, 0.2472, 0.3434**, and **9.1039, 0.2297, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **23.0741, 0.2292, 0.3451**, and if you desaturate by 10%, it is **23.1977, 0.2306, 0.3434**.

Distribution



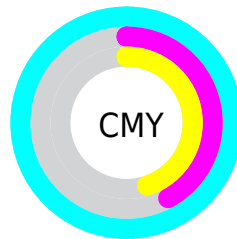
- Red (0%)
- Green (58%)
- Blue (55%)



- Red (0%)
- Yellow (30%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0733, 0.2292, 0.3451 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 23.0733, 0.2292, 0.3451 by changing the saturation by 10% instead.

 23.0733, 0.2292,
0.3451


 23.0733, 0.2292,
0.3451


268.1013, 0.2749,
0.3371


 14.6476, 0.2164,
0.3470


 48.5137, 0.2468,
0.3422

 8.5725, 0.1991,
0.3492


 66.2971, 0.2531,
0.3411


 4.4634, 0.1746,
0.3517

 87.9687, 0.2583,
0.3402

 1.9360, 0.1373,
0.3539

 113.9127, 0.2627,
0.3394

 0.5699, 0.0000,
0.3665

 144.5136, 0.2664,
0.3387

 0.0000, 0.0000,
0.0000

 180.1557, 0.2697,

0.3381

221.2235, 0.2725,
0.3375

■ 23.0733, 0.2292,
0.3451

■ 23.0733, 0.2292,
0.3451

■ 23.0741, 0.2292,
0.3451

■ 23.1977, 0.2306,
0.3434

■ 23.3918, 0.2332,
0.3416

■ 23.6902, 0.2376,
0.3399

■ 24.1060, 0.2438,
0.3381

■ 24.6503, 0.2518,
0.3364

■ 25.3330, 0.2615,
0.3347

■ 26.1630, 0.2727,
0.3332

■ 27.1484, 0.2851,
0.3317

■ 28.2968, 0.2985,
0.3303

Harmonies

Analogous

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



23.0733, 0.2758, 0.4061



23.0733, 0.2292, 0.3451



23.0733, 0.2055, 0.2860

Triad

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



23.0733, 0.2292, 0.3451



23.0733, 0.2809, 0.2405



23.0733, 0.4286, 0.3990

Complementary

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



23.0733, 0.2292, 0.3451



6.3137, 0.6327, 0.3259

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.



23.0733, 0.4333, 0.3529



23.0733, 0.2292, 0.3451



23.0733, 0.3428, 0.2666

Square

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



23.0733, 0.2292, 0.3451



23.0733, 0.2330, 0.2330



23.0733, 0.4010, 0.3063



23.0733, 0.3914, 0.4335

Rectangle

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



23.0733, 0.2292, 0.3451



23.0733, 0.2038, 0.2576



23.0733, 0.4010, 0.3063



23.0733, 0.4342, 0.3843

Sweetspot

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



23.0742, 0.2292, 0.3451



46.0663, 0.2719, 0.3333



21.2440, 0.3018, 0.5985



10.3821, 0.2675, 0.3339



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.



23.0742, 0.2292, 0.3451



40.7040, 0.2293, 0.3454



8.4589, 0.1842, 0.1832



6.5569, 0.2996, 0.3302



19.7099, 0.2292, 0.3450



0.2426, 0.2267, 0.3362

Inverse Universe

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



6.3137, 0.6327, 0.3259



11.1314, 0.6346, 0.3270



9.9785, 0.5573, 0.3957



5.8202, 0.3274, 0.3278



5.3940, 0.6320, 0.3255



0.0670, 0.5952, 0.3053

Previews

White Background



This preview shows how the Yxy color 23.0733, 0.2292, 0.3451 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 23.0733, 0.2292, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

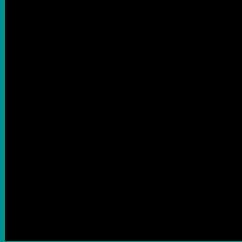
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0733, 0.2292, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 23.0733, 0.2292, 0.3451.

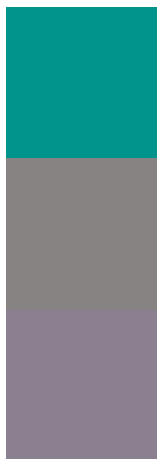


This preview shows how white text looks on a background with the Yxy color 23.0733, 0.2292, 0.3451.

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

23.0733, 0.2292, 0.3451

Protanopia

22.9126, 0.3173, 0.3308

Deuteranopia

22.8552, 0.3071, 0.3021



Tritanopia

23.0085, 0.2236, 0.3056

Trichromacy



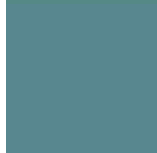
Original Color

23.0733, 0.2292, 0.3451



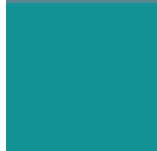
Protanomaly

21.5438, 0.2641, 0.3348



Deuteranomaly

21.3858, 0.2587, 0.3135



Tritanomaly

22.9516, 0.2247, 0.3189

Monochromacy



Original Color

23.0733, 0.2292, 0.3451



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.6129, 0.2579, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0733, 0.2292, 0.3451 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 140) }
```

Border

The CSS property to change the border of an element to Yxy 23.0733, 0.2292, 0.3451 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, 140) }
```

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

```
.border{ border-color:rgb(0, 148, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0733, 0.2292, 0.3451 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, 140) }
```

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

```
.background{ background-color: rgb(0, 148,  
140) }
```

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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