

Converting Colors

$Yxy(22.8113, 0.2340, 0.3623)$

Have a look what the booklet for
Yxy(22.8113, 0.2340, 0.3623)
contains.

Yxy(22.8458, 0.2340, 0.3623)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8458, 0.2340, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	009484
RGB	0, 148, 132
RGB Percent	0%, 58%, 52%
CMY	0.9993, 0.4196, 0.4824
CMYK	1.00, 0.00, 0.11, 0.42
HSL	173°, 100%, 29%
HSV	173°, 100%, 58%
XYZ	14.7555, 22.8458, 25.4564
YIQ	101.9240, -83.0720, -36.3520

Conversions

Conversions Part 2

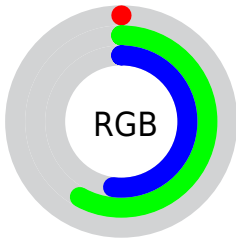
Format	Color
RYB	0, 78, 148
Decimal	38020
CIELab	54.91, -36.93, -0.94
CIELCh	55, 36.947, 181.465
Yxy	22.8458, 0.2340, 0.3623
Android (android.graphics.Color)	4278228100 (0xFF009484)
YUV	101.9240, 14.8275, -89.3873
Hunter-Lab	47.7973, -28.5405, 1.8808

Details

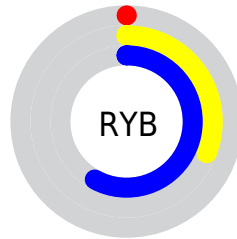
The Yxy color **22.8458, 0.2340, 0.3623** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.3379, 0.6242, 0.3214**, and the grayscale version is **13.2576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2409, 0.2509, 0.3555**, and **8.9903, 0.2359, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **22.8449, 0.2340, 0.3623**, and if you desaturate by 10%, it is **22.9911, 0.2350, 0.3587**.

Distribution



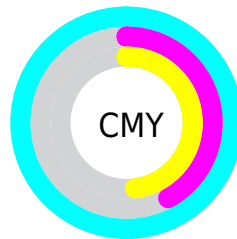
- Red (0%)
- Green (58%)
- Blue (52%)



- Red (0%)
- Yellow (31%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8458, 0.2340, 0.3623 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 22.8458, 0.2340, 0.3623 by changing the saturation by 10% instead.


 22.8458, 0.2340,
0.3623


 22.8458, 0.2340,
0.3623


266.9320, 0.2775,
0.3440

 14.4797, 0.2216,
0.3674


 48.1400, 0.2509,
0.3553

 8.4550, 0.2047,
0.3744


 65.8369, 0.2569,
0.3527

 4.3875, 0.1804,
0.3842

 87.4128, 0.2619,
0.3507

 1.8926, 0.1411,
0.3999

 113.2522, 0.2660,
0.3489

 0.5439, 0.0000,
0.4524

 143.7394, 0.2695,
0.3474

 0.0000, 0.0000,
0.0000

 179.2588, 0.2726,

0.3461

220.1949, 0.2752,
0.3450

■ 22.8458, 0.2340,
0.3623

■ 22.8458, 0.2340,
0.3623

■ 22.8449, 0.2340,
0.3623

■ 22.9911, 0.2350,
0.3587

■ 23.2074, 0.2372,
0.3550

■ 23.5287, 0.2412,
0.3514

■ 23.9681, 0.2471,
0.3477

■ 24.5366, 0.2548,
0.3442

■ 25.2441, 0.2640,
0.3408

■ 26.0996, 0.2747,
0.3375

■ 27.1110, 0.2866,
0.3344

■ 28.2860, 0.2994,
0.3316

Harmonies

Analogous

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



22.8458, 0.2875, 0.4236



22.8458, 0.2340, 0.3623



22.8458, 0.2032, 0.2963

Triad

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



22.8458, 0.2340, 0.3623



22.8458, 0.2651, 0.2321



22.8458, 0.4400, 0.3912

Complementary

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



22.8458, 0.2340, 0.3623



6.3379, 0.6242, 0.3214

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.



22.8458, 0.4360, 0.3417



22.8458, 0.2340, 0.3623



22.8458, 0.3284, 0.2552

Square

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



22.8458, 0.2340, 0.3623



22.8458, 0.2199, 0.2292



22.8458, 0.3934, 0.2939



22.8458, 0.4073, 0.4326

Rectangle

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



22.8458, 0.2340, 0.3623



22.8458, 0.1973, 0.2625



22.8458, 0.3934, 0.2939



22.8458, 0.4432, 0.3750

Sweetspot

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



22.8467, 0.2340, 0.3623



45.9330, 0.2739, 0.3377



21.3035, 0.3035, 0.5971



10.3480, 0.2697, 0.3390



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.



22.8467, 0.2340, 0.3623



40.2931, 0.2342, 0.3630



9.6792, 0.1892, 0.2008



6.5515, 0.3003, 0.3314



19.5156, 0.2339, 0.3621



0.2414, 0.2290, 0.3442

Inverse Universe

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



6.3379, 0.6242, 0.3214



11.1619, 0.6275, 0.3231



9.2074, 0.5710, 0.3846



5.8250, 0.3266, 0.3266



5.4120, 0.6235, 0.3208



0.0682, 0.5576, 0.2845

Previews

White Background



This preview shows how the Yxy color 22.8458, 0.2340, 0.3623 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 22.8458, 0.2340, 0.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

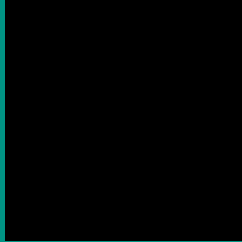
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8458, 0.2340, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 22.8458, 0.2340, 0.3623.

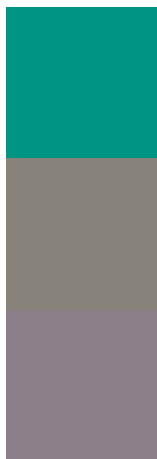


This preview shows how white text looks on a background with the Yxy color 22.8458, 0.2340, 0.3623.

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

22.8458, 0.2340, 0.3623

Protanopia

22.5213, 0.3274, 0.3431

Deuteranopia

22.6476, 0.3182, 0.3121



Tritanopia

23.0632, 0.2257, 0.3075

Trichromacy



Original Color

22.8458, 0.2340, 0.3623



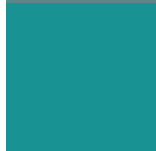
Protanomaly

21.3761, 0.2717, 0.3509



Deuteranomaly

21.2509, 0.2670, 0.3289



Tritanomaly

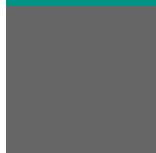
22.8585, 0.2276, 0.3267

Monochromacy



Original Color

22.8458, 0.2340, 0.3623



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.5097, 0.2598, 0.3427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8458, 0.2340, 0.3623 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, 132)` looks like.

```
.text, #text, p{  
  color:rgb(0, 148, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 132) }
```

Border

The CSS property to change the border of an element to Yxy 22.8458, 0.2340, 0.3623 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, 132) }
```

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

```
.border{ border-color:rgb(0, 148, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8458, 0.2340, 0.3623 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, 132) }
```

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

```
.background{ background-color: rgb(0, 148,  
132) }
```

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