

Converting Colors

$Yxy(22.5243, 0.2015, 0.2858)$

Have a look what the booklet for
Yxy(22.5243, 0.2015, 0.2858)
contains.

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Color

Yxy(23.3849, 0.2132, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	0092A8
RGB	0, 146, 168
RGB Percent	0%, 57%, 66%
CMY	0.9989, 0.4275, 0.3413
CMYK	1.00, 0.13, 0.00, 0.34
HSL	188°, 100%, 33%
HSV	188°, 100%, 66%
XYZ	17.3475, 23.3849, 40.6347
YIQ	104.8540, -94.0780, -24.1100

Conversions

Conversions Part 2

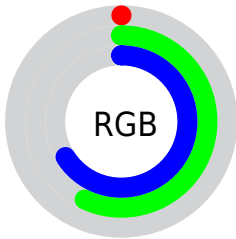
Format	Color
RYB	0, 78, 168
Decimal	37544
CIELab	55.47, -24.43, -20.78
CIELCh	55, 32.066, 220.382
Yxy	23.3849, 0.2132, 0.2874
Android (android.graphics.Color)	4278227624 (0xFF0092A8)
YUV	104.8540, 31.1310, -91.9570
Hunter-Lab	48.3579, -20.5930, -15.9703

Details

The Yxy color **23.3849, 0.2132, 0.2874** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.9069, 0.6273, 0.3399**, and the grayscale version is **14.0413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9116, 0.2333, 0.2973**, and **9.4454, 0.2091, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **23.3727, 0.2132, 0.2873**, and if you desaturate by 10%, it is **24.1892, 0.2162, 0.2919**.

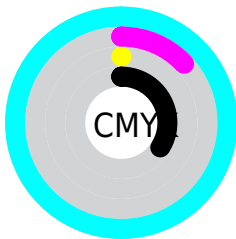
Distribution



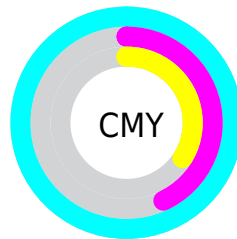
- Red (0%)
- Green (57%)
- Blue (66%)



- Red (0%)
- Yellow (31%)
- Blue (66%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (34%)





- Cyan (100%)
- Magenta (43%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3849, 0.2132, 0.2874 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 23.3849, 0.2132, 0.2874 by changing the saturation by 10% instead.


 23.3849, 0.2132,
0.2874


 23.3849, 0.2132,
0.2874


 269.6958, 0.2664,
0.3120

 14.8780, 0.1990,
0.2798


 49.0246, 0.2333,
0.2974


 8.7338, 0.1802,
0.2691


 66.9261, 0.2406,
0.3008

 4.5680, 0.1548,
0.2530

 88.7279, 0.2467,
0.3036

 1.9961, 0.1190,
0.2271

 114.8145, 0.2519,
0.3058

 0.6052, 0.0000,
0.1873

 145.5702, 0.2563,
0.3078

 0.0000, 0.0000,
0.0000

 181.3793, 0.2601,

0.3094

222.6264, 0.2635,
0.3108

■ 23.3849, 0.2132,
0.2874

■ 23.3849, 0.2132,
0.2874

■ 23.3727, 0.2132,
0.2873

■ 24.1892, 0.2162,
0.2919

■ 25.1057, 0.2207,
0.2964

■ 26.1748, 0.2270,
0.3010

■ 27.4145, 0.2352,
0.3055

■ 28.8401, 0.2451,
0.3100

■ 30.4652, 0.2566,
0.3143

■ 32.3020, 0.2694,
0.3183

■ 34.3617, 0.2833,
0.3222

■ 36.6547, 0.2979,
0.3258

Harmonies

Analogous

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



23.3849, 0.2341, 0.3405



23.3849, 0.2132, 0.2874



23.3849, 0.2159, 0.2528

Triad

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



23.3849, 0.2132, 0.2874



23.3849, 0.3440, 0.2734



23.3849, 0.3827, 0.4262

Complementary

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



23.3849, 0.2132, 0.2874



8.9069, 0.6273, 0.3399

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.



23.3849, 0.4178, 0.3965



23.3849, 0.2132, 0.2874



23.3849, 0.3959, 0.3109

Square

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



23.3849, 0.2132, 0.2874



23.3849, 0.2869, 0.2482



23.3849, 0.4236, 0.3545



23.3849, 0.3305, 0.4288

Rectangle

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



23.3849, 0.2132, 0.2874



23.3849, 0.2305, 0.2420



23.3849, 0.4236, 0.3545



23.3849, 0.3970, 0.4185

Sweetspot

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



23.3857, 0.2132, 0.2874



58.3806, 0.2684, 0.3181



28.0494, 0.2974, 0.5905



12.4236, 0.2632, 0.3164



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.3857, 0.2132, 0.2874



42.1989, 0.2129, 0.2865



6.5589, 0.1676, 0.1230



8.3618, 0.2987, 0.3260



17.7080, 0.2133, 0.2878



0.4757, 0.2174, 0.3026

Inverse Universe

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



10.4039, 0.3567, 0.1739



18.8488, 0.3575, 0.1743



18.1623, 0.5060, 0.4363



7.6494, 0.3157, 0.3096



7.8587, 0.3563, 0.1737



0.1957, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 23.3849, 0.2132, 0.2874 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 23.3849, 0.2132, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

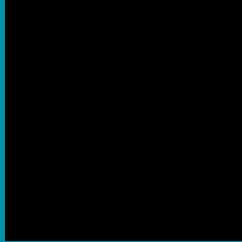
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3849, 0.2132, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 23.3849, 0.2132, 0.2874.

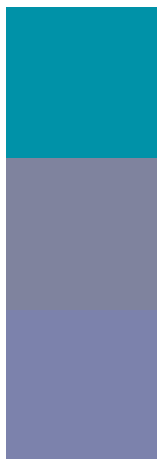


This preview shows how white text looks on a background with the Yxy color 23.3849, 0.2132, 0.2874.

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

23.3849, 0.2132, 0.2874

Protanopia

23.2132, 0.2814, 0.2835

Deuteranopia

23.2289, 0.2661, 0.2603



Tritanopia

23.3706, 0.2182, 0.3055

Trichromacy



Original Color

23.3849, 0.2132, 0.2874



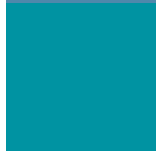
Protanomaly

21.9663, 0.2396, 0.2812



Deuteranomaly

22.2109, 0.2324, 0.2664



Tritanomaly

23.4761, 0.2167, 0.3000

Monochromacy



Original Color

23.3849, 0.2132, 0.2874



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

16.1847, 0.2487, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3849, 0.2132, 0.2874 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, 146, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 168)  
}
```

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, 146, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 168) }
```

Border

The CSS property to change the border of an element to Yxy 23.3849, 0.2132, 0.2874 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, 146, 168) }
```

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

```
.border{ border-color:rgb(0, 146, 168) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3849, 0.2132, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 168) }
```

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

```
.background{ background-color: rgb(0, 146,  
168) }
```

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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