

Converting Colors

$Yxy(23.1304, 0.2229, 0.3784)$

Have a look what the booklet for
Yxy(23.1304, 0.2229, 0.3784)
contains.

Yxy(24.0415, 0.2379, 0.3766)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0415, 0.2379, 0.3766)

Conversions

Conversions Part 1

Format	Color
Hex	009881
RGB	0, 152, 129
RGB Percent	0%, 60%, 51%
CMY	1.0000, 0.4039, 0.4941
CMYK	1.00, 0.00, 0.15, 0.40
HSL	171°, 100%, 30%
HSV	171°, 100%, 60%
XYZ	15.1871, 24.0415, 24.6097
YIQ	103.9300, -83.2090, -39.3770

Conversions

Conversions Part 2

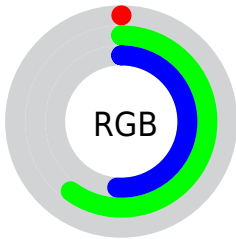
Format	Color
RYB	0, 82, 152
Decimal	39041
CIELab	56.13, -39.58, 2.53
CIELCh	56, 39.663, 176.338
Yxy	24.0415, 0.2379, 0.3766
Android (android.graphics.Color)	4278229121 (0xFF009881)
YUV	103.9300, 12.3595, -91.1466
Hunter-Lab	49.0321, -30.5179, 4.5643

Details

The Yxy color **24.0415, 0.2379, 0.3766** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.7383, 0.6163, 0.3169**, and the grayscale version is **13.8084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0778, 0.2540, 0.3657**, and **9.6935, 0.2417, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **24.0449, 0.2379, 0.3766**, and if you desaturate by 10%, it is **24.2100, 0.2385, 0.3714**.

Distribution



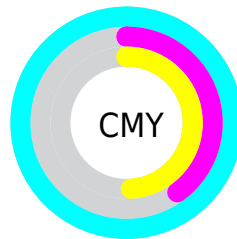
- Red (0%)
- Green (60%)
- Blue (51%)



- Red (0%)
- Yellow (32%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0415, 0.2379, 0.3766 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 24.0415, 0.2379, 0.3766 by changing the saturation by 10% instead.


 24.0415, 0.2379,
0.3766


 24.0415, 0.2379,
0.3766


273.0302, 0.2793,
0.3500


 15.3644, 0.2261,
0.3844


 50.0979, 0.2540,
0.3661

 9.0755, 0.2100,
0.3951


 68.2460, 0.2597,
0.3625

 4.7905, 0.1868,
0.4109

 90.3199, 0.2644,
0.3594

 2.1249, 0.1502,
0.4367

 116.7040, 0.2683,
0.3569

 0.6786, 0.0000,
0.5471

 147.7827, 0.2717,
0.3548

 0.0000, 0.0000,
0.0000

 183.9404, 0.2746,

0.3529

225.5614, 0.2771,
0.3514

■ 24.0415, 0.2379,
0.3766

■ 24.0415, 0.2379,
0.3766

■ 24.0449, 0.2379,
0.3766

■ 24.2100, 0.2385,
0.3714

■ 24.4521, 0.2404,
0.3661

■ 24.8064, 0.2440,
0.3609

■ 25.2867, 0.2496,
0.3556

■ 25.9050, 0.2569,
0.3506

■ 26.6718, 0.2658,
0.3457

■ 27.5967, 0.2761,
0.3410

■ 28.6883, 0.2875,
0.3367

■ 29.9547, 0.2998,
0.3327

Harmonies

Analogous

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



24.0415, 0.2969, 0.4374



24.0415, 0.2379, 0.3766



24.0415, 0.2013, 0.3049

Triad

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



24.0415, 0.2379, 0.3766



24.0415, 0.2527, 0.2254



24.0415, 0.4490, 0.3849

Complementary

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



24.0415, 0.2379, 0.3766



6.7383, 0.6163, 0.3169

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.



24.0415, 0.4378, 0.3329



24.0415, 0.2379, 0.3766



24.0415, 0.3168, 0.2462

Square

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



24.0415, 0.2379, 0.3766



24.0415, 0.2097, 0.2261



24.0415, 0.3870, 0.2842



24.0415, 0.4200, 0.4312

Rectangle

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



24.0415, 0.2379, 0.3766



24.0415, 0.1922, 0.2666



24.0415, 0.3870, 0.2842



24.0415, 0.4501, 0.3676

Sweetspot

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



24.0449, 0.2379, 0.3766



48.6005, 0.2755, 0.3413



22.6708, 0.3057, 0.5955



10.8961, 0.2713, 0.3431



76.7769, 0.3127, 0.3290



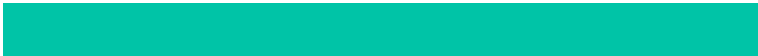
12.5967, 0.3127, 0.3290

Same Dimension

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



24.0449, 0.2379, 0.3766



42.4144, 0.2382, 0.3776



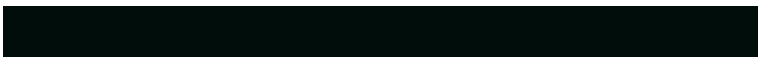
11.6409, 0.1939, 0.2180



7.0105, 0.3008, 0.3324



20.1618, 0.2379, 0.3762



0.3052, 0.2314, 0.3529

Inverse Universe

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



6.7383, 0.6163, 0.3169



11.8751, 0.6198, 0.3188



9.0153, 0.5851, 0.3736



6.2372, 0.3261, 0.3257



5.6522, 0.6150, 0.3161



0.0879, 0.5335, 0.2713

Previews

White Background



This preview shows how the Yxy color 24.0415, 0.2379, 0.3766 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 24.0415, 0.2379, 0.3766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

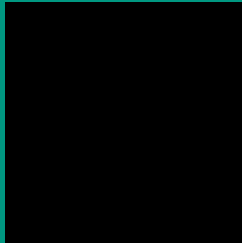
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0415, 0.2379, 0.3766

Background



This preview shows how black text looks on a background with the Yxy color 24.0415, 0.2379, 0.3766.

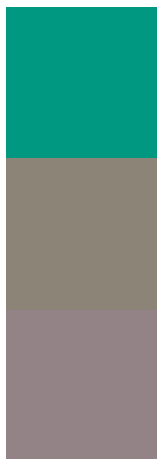


This preview shows how white text looks on a background with the Yxy color 24.0415, 0.2379, 0.3766.

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

24.0415, 0.2379, 0.3766

Protanopia

23.6824, 0.3360, 0.3532

Deuteranopia

23.8895, 0.3282, 0.3224



Tritanopia

24.2315, 0.2265, 0.3061

Trichromacy



Original Color

24.0415, 0.2379, 0.3766



Protanomaly

22.3101, 0.2775, 0.3626



Deuteranomaly

22.2226, 0.2738, 0.3405



Tritanomaly

23.8978, 0.2287, 0.3288

Monochromacy



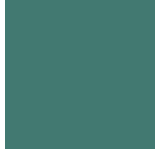
Original Color

24.0415, 0.2379, 0.3766



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

16.0252, 0.2613, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0415, 0.2379, 0.3766 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, 152, 129)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 129)  
}
```

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, 152, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 129) }
```

Border

The CSS property to change the border of an element to Yxy 24.0415, 0.2379, 0.3766 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, 152, 129) }
```

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

```
.border{ border-color:rgb(0, 152, 129) }
```

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

Here you see how a box with a 4 pixel rgb(0, 152, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 129);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0415, 0.2379, 0.3766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 129) }
```

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

```
.background{ background-color: rgb(0, 152,  
129) }
```

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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