

Converting Colors

$Yxy(23.8271, 0.2399, 0.3840)$

Have a look what the booklet for
Yxy(23.8271, 0.2399, 0.3840)
contains.

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Color

Yxy(23.9371, 0.2404, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	00987D
RGB	0, 152, 125
RGB Percent	0%, 60%, 49%
CMY	0.9998, 0.4039, 0.5097
CMYK	1.00, 0.00, 0.18, 0.40
HSL	169°, 100%, 30%
HSV	169°, 100%, 60%
XYZ	14.9312, 23.9371, 23.2415
YIQ	103.4740, -81.9250, -40.6210

Conversions

Conversions Part 2

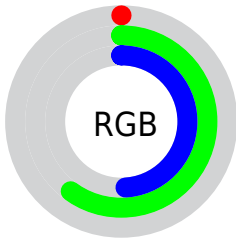
Format	Color
RYB	0, 83, 152
Decimal	39037
CIELab	56.02, -40.66, 4.65
CIELCh	56, 40.929, 173.471
Yxy	23.9371, 0.2404, 0.3854
Android (android.graphics.Color)	4278229117 (0xFF00987D)
YUV	103.4740, 10.6123, -90.7467
Hunter-Lab	48.9256, -31.1448, 6.0829

Details

The Yxy color **23.9371, 0.2404, 0.3854** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.7559, 0.6100, 0.3134**, and the grayscale version is **13.6885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8662, 0.2557, 0.3719**, and **9.6361, 0.2454, 0.4034** is the 20% darker color. If you saturate the color by 10%, you get **23.9374, 0.2404, 0.3854**, and if you desaturate by 10%, it is **24.1113, 0.2407, 0.3792**.

Distribution



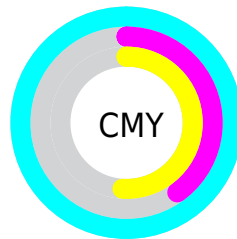
- Red (0%)
- Green (60%)
- Blue (49%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9371, 0.2404, 0.3854 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 23.9371, 0.2404, 0.3854 by changing the saturation by 10% instead.


 23.9371, 0.2404,
0.3854


 23.9371, 0.2404,
0.3854


272.5023, 0.2806,
0.3535


 15.2870, 0.2288,
0.3949


 49.9275, 0.2561,
0.3727

 9.0210, 0.2129,
0.4082


 68.0366, 0.2617,
0.3683

 4.7549, 0.1898,
0.4282

 90.0675, 0.2662,
0.3647

 2.1042, 0.1522,
0.4618

 116.4045, 0.2700,
0.3617

 0.6670, 0.0000,
0.6246

 147.4322, 0.2733,
0.3592

 0.0000, 0.0000,
0.0000

 183.5347, 0.2761,

0.3570

225.0967, 0.2785,
0.3551

■ 23.9371, 0.2404,
0.3854

■ 23.9371, 0.2404,
0.3854

■ 23.9374, 0.2404,
0.3854

■ 24.1113, 0.2407,
0.3792

■ 24.3624, 0.2424,
0.3729

■ 24.7261, 0.2459,
0.3666

■ 25.2164, 0.2512,
0.3605

■ 25.8452, 0.2583,
0.3544

■ 26.6231, 0.2670,
0.3486

■ 27.5596, 0.2771,
0.3432

■ 28.6634, 0.2882,
0.3380

■ 29.9426, 0.3002,
0.3333

Harmonies

Analogous

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



23.9371, 0.3026, 0.4455



23.9371, 0.2404, 0.3854



23.9371, 0.2004, 0.3104

Triad

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



23.9371, 0.2404, 0.3854



23.9371, 0.2455, 0.2216



23.9371, 0.4542, 0.3810

Complementary

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



23.9371, 0.2404, 0.3854



6.7559, 0.6100, 0.3134

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.



23.9371, 0.4385, 0.3276



23.9371, 0.2404, 0.3854



23.9371, 0.3099, 0.2410

Square

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



23.9371, 0.2404, 0.3854



23.9371, 0.2039, 0.2245



23.9371, 0.3829, 0.2785



23.9371, 0.4275, 0.4301

Rectangle

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



23.9371, 0.2404, 0.3854



23.9371, 0.1893, 0.2693



23.9371, 0.3829, 0.2785



23.9371, 0.4540, 0.3632

Sweetspot

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



23.9380, 0.2404, 0.3854



48.5345, 0.2764, 0.3435



22.7023, 0.3066, 0.5947



10.8794, 0.2724, 0.3456



76.7769, 0.3127, 0.3290



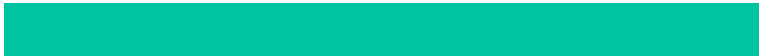
12.5967, 0.3127, 0.3290

Same Dimension

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



23.9380, 0.2404, 0.3854



42.2283, 0.2407, 0.3866



12.1447, 0.1955, 0.2239



7.0077, 0.3011, 0.3330



20.0751, 0.2403, 0.3850



0.3045, 0.2326, 0.3573

Inverse Universe

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



6.7559, 0.6100, 0.3134



11.9033, 0.6140, 0.3156



8.8035, 0.5893, 0.3702



6.2397, 0.3257, 0.3251



5.6670, 0.6086, 0.3127



0.0886, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 23.9371, 0.2404, 0.3854 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 23.9371, 0.2404, 0.3854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

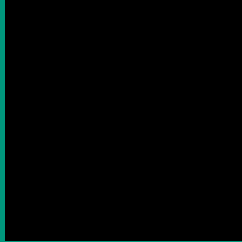
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9371, 0.2404, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 23.9371, 0.2404, 0.3854.

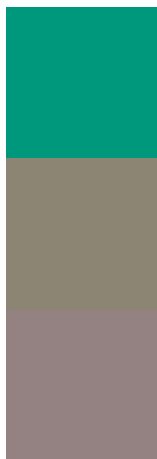


This preview shows how white text looks on a background with the Yxy color 23.9371, 0.2404, 0.3854.

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

23.9371, 0.2404, 0.3854

Protanopia

23.5883, 0.3405, 0.3602

Deuteranopia

23.6081, 0.3341, 0.3274



Tritanopia

23.9061, 0.2270, 0.3060

Trichromacy



Original Color

23.9371, 0.2404, 0.3854



Protanomaly

22.2119, 0.2810, 0.3709



Deuteranomaly

21.8295, 0.2771, 0.3465



Tritanomaly

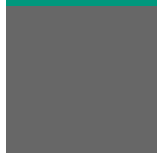
23.8484, 0.2301, 0.3327

Monochromacy



Original Color

23.9371, 0.2404, 0.3854



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.9807, 0.2631, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9371, 0.2404, 0.3854 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 125) }
```

Border

The CSS property to change the border of an element to Yxy 23.9371, 0.2404, 0.3854 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, 125) }
```

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

```
.border{ border-color:rgb(0, 152, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 125);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9371, 0.2404, 0.3854 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, 125) }
```

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

```
.background{ background-color: rgb(0, 152,  
125) }
```

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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