

Converting Colors

$Yxy(21.2925, 0.1923, 0.3907)$

Have a look what the booklet for
Yxy(21.2925, 0.1923, 0.3907)
contains.

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Color

$\text{Yxy}(23.5885, 0.2405, 0.3858)$

Conversions

Conversions Part 1

Format	Color
Hex	00977C
RGB	0, 151, 124
RGB Percent	0%, 59%, 49%
CMY	1.0000, 0.4078, 0.5137
CMYK	1.00, 0.00, 0.18, 0.41
HSL	169°, 100%, 30%
HSV	169°, 100%, 59%
XYZ	14.7046, 23.5885, 22.8487
YIQ	102.7730, -81.3290, -40.4090

Conversions

Conversions Part 2

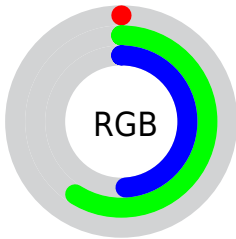
Format	Color
RYB	0, 83, 151
Decimal	38780
CIELab	55.67, -40.52, 4.73
CIELCh	56, 40.796, 173.348
Yxy	23.5885, 0.2405, 0.3858
Android (android.graphics.Color)	4278228860 (0xFF00977C)
YUV	102.7730, 10.4649, -90.1319
Hunter-Lab	48.5680, -30.9508, 6.1048

Details

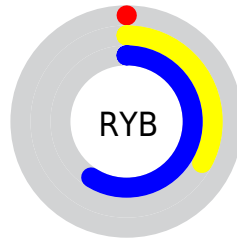
The Yxy color **23.5885, 0.2405, 0.3858** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **6.6587, 0.6097, 0.3132**, and the grayscale version is **13.4891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3034, 0.2564, 0.3737**, and **9.4317, 0.2456, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **23.5896, 0.2405, 0.3858**, and if you desaturate by 10%, it is **23.7612, 0.2408, 0.3795**.

Distribution



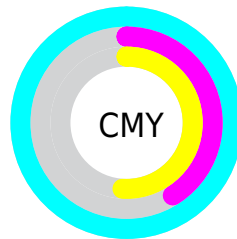
- Red (0%)
- Green (59%)
- Blue (49%)



- Red (0%)
- Yellow (33%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5885, 0.2405, 0.3858 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 23.5885, 0.2405, 0.3858 by changing the saturation by 10% instead.


 23.5885, 0.2405,
0.3858


 23.5885, 0.2405,
0.3858


270.7334, 0.2808,
0.3535


 15.0287, 0.2289,
0.3955


 49.3579, 0.2562,
0.3730


 8.8395, 0.2128,
0.4090


 67.3361, 0.2618,
0.3685

 4.6366, 0.1895,
0.4293

 89.2227, 0.2664,
0.3649

 2.0357, 0.1505,
0.4642

 115.4019, 0.2702,
0.3618

 0.6281, 0.0000,
0.6399

 146.2582, 0.2734,
0.3593

 0.0000, 0.0000,
0.0000

 182.1760, 0.2762,

0.3571

223.5396, 0.2786,
0.3552

■ 23.5885, 0.2405,
0.3858

■ 23.5885, 0.2405,
0.3858

■ 23.5896, 0.2405,
0.3858

■ 23.7612, 0.2408,
0.3795

■ 24.0090, 0.2425,
0.3732

■ 24.3678, 0.2460,
0.3669

■ 24.8512, 0.2513,
0.3607

■ 25.4710, 0.2584,
0.3546

■ 26.2376, 0.2671,
0.3488

■ 27.1604, 0.2771,
0.3433

■ 28.2479, 0.2882,
0.3381

■ 29.5080, 0.3002,
0.3333

Harmonies

Analogous

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



23.5885, 0.3028, 0.4459



23.5885, 0.2405, 0.3858



23.5885, 0.2003, 0.3106

Triad

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



23.5885, 0.2405, 0.3858



23.5885, 0.2452, 0.2214



23.5885, 0.4545, 0.3808

Complementary

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



23.5885, 0.2405, 0.3858



6.6587, 0.6097, 0.3132

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.



23.5885, 0.4386, 0.3274



23.5885, 0.2405, 0.3858



23.5885, 0.3095, 0.2408

Square

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



23.5885, 0.2405, 0.3858



23.5885, 0.2036, 0.2244



23.5885, 0.3827, 0.2782



23.5885, 0.4278, 0.4300

Rectangle

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



23.5885, 0.2405, 0.3858



23.5885, 0.1892, 0.2694



23.5885, 0.3827, 0.2782



23.5885, 0.4542, 0.3630

Sweetspot

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



23.5896, 0.2405, 0.3858



48.5315, 0.2765, 0.3436



22.3766, 0.3066, 0.5947



10.8786, 0.2725, 0.3457



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.



23.5896, 0.2405, 0.3858



42.2199, 0.2408, 0.3870



11.9719, 0.1955, 0.2239



7.0076, 0.3011, 0.3330



20.0712, 0.2404, 0.3854



0.3045, 0.2326, 0.3575

Inverse Universe

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



6.6587, 0.6097, 0.3132



11.9047, 0.6137, 0.3154



8.6786, 0.5893, 0.3703



6.2398, 0.3257, 0.3250



5.6677, 0.6083, 0.3125



0.0887, 0.5190, 0.2633

Previews

White Background



This preview shows how the Yxy color 23.5885, 0.2405, 0.3858 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 23.5885, 0.2405, 0.3858 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 23.5885, 0.2405, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 23.5885, 0.2405, 0.3858.

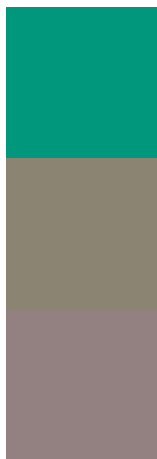


This preview shows how white text looks on a background with the Yxy color 23.5885, 0.2405, 0.3858.

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

23.5885, 0.2405, 0.3858

Protanopia

23.2064, 0.3407, 0.3604

Deuteranopia

23.2264, 0.3343, 0.3274



Tritanopia

23.5619, 0.2271, 0.3059

Trichromacy



Original Color

23.5885, 0.2405, 0.3858

Protanomaly

21.8480, 0.2808, 0.3712

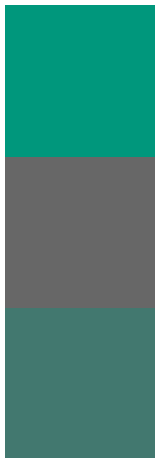
Deuteranomaly

21.5203, 0.2778, 0.3466

Tritanomaly

23.5020, 0.2302, 0.3327

Monochromacy



Original Color

23.5885, 0.2405, 0.3858

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.7389, 0.2628, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5885, 0.2405, 0.3858 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, 151, 124)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 124)  
}
```

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, 151, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 124) }
```

Border

The CSS property to change the border of an element to Yxy 23.5885, 0.2405, 0.3858 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, 151, 124) }
```

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

```
.border{ border-color:rgb(0, 151, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 124);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5885, 0.2405, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 124) }
```

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

```
.background{ background-color: rgb(0, 151,  
124) }
```

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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