

Converting Colors

$Yxy(23.8426, 0.2524, 0.4285)$

Have a look what the booklet for
Yxy(23.8426, 0.2524, 0.4285)
contains.

Yxy(23.8440, 0.2523, 0.4284)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8440, 0.2523, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	00996B
RGB	0, 153, 107
RGB Percent	0%, 60%, 42%
CMY	1.0000, 0.4000, 0.5804
CMYK	1.00, 0.00, 0.30, 0.40
HSL	162°, 100%, 30%
HSV	162°, 100%, 60%
XYZ	14.0426, 23.8440, 17.7717
YIQ	102.0090, -76.4220, -46.7420

Conversions

Conversions Part 2

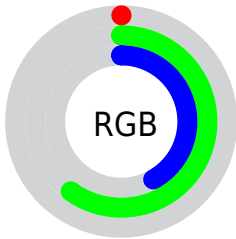
Format	Color
RYB	0, 90, 153
Decimal	39275
CIELab	55.93, -45.72, 14.72
CIELCh	56, 48.034, 162.155
Yxy	23.8440, 0.2523, 0.4284
Android (android.graphics.Color)	4278229355 (0xFF00996B)
YUV	102.0090, 2.4606, -89.4619
Hunter-Lab	48.8303, -34.1202, 12.6028

Details

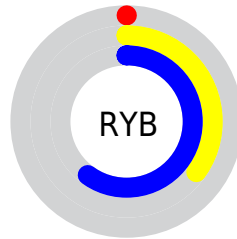
The Yxy color **23.8440, 0.2523, 0.4284** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.9704, 0.5724, 0.2927**, and the grayscale version is **13.2991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6412, 0.2661, 0.4034**, and **9.6231, 0.2620, 0.4632** is the 20% darker color. If you saturate the color by 10%, you get **23.8465, 0.2523, 0.4284**, and if you desaturate by 10%, it is **24.0501, 0.2515, 0.4173**.

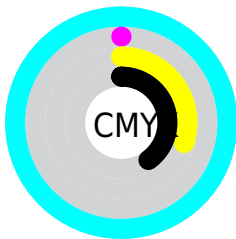
Distribution



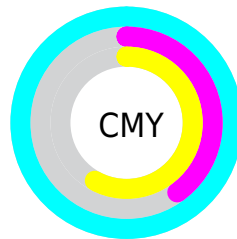
- Red (0%)
- Green (60%)
- Blue (42%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8440, 0.2523, 0.4284 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 23.8440, 0.2523, 0.4284 by changing the saturation by 10% instead.


 23.8440, 0.2523,
0.4284


 23.8440, 0.2523,
0.4284


272.0308, 0.2872,
0.3702


 15.2179, 0.2416,
0.4467


 49.7755, 0.2663,
0.4047


 8.9725, 0.2265,
0.4730


 67.8498, 0.2711,
0.3967


 4.7232, 0.2036,
0.5138

 89.8422, 0.2751,
0.3901

 2.0858, 0.1584,
0.5897

 116.1372, 0.2783,
0.3847

 0.6566, 0.0000,
1.0000

 147.1191, 0.2810,
0.3802

 0.0000, 0.0000,
0.0000

 183.1725, 0.2834,

0.3764

224.6816, 0.2854,
0.3731

■ 23.8440, 0.2523,
0.4284

■ 23.8440, 0.2523,
0.4284

■ 23.8465, 0.2523,
0.4284

■ 24.0501, 0.2515,
0.4173

■ 24.3358, 0.2521,
0.4061

■ 24.7392, 0.2546,
0.3949

■ 25.2746, 0.2590,
0.3838

■ 25.9540, 0.2652,
0.3731

■ 26.7884, 0.2728,
0.3630

■ 27.7874, 0.2816,
0.3534

■ 28.9600, 0.2914,
0.3445

■ 30.3144, 0.3018,
0.3364

Harmonies

Analogous

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



23.8440, 0.3290, 0.4812



23.8440, 0.2523, 0.4284



23.8440, 0.1963, 0.3380

Triad

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



23.8440, 0.2523, 0.4284



23.8440, 0.2136, 0.2041



23.8440, 0.4775, 0.3625

Complementary

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



23.8440, 0.2523, 0.4284



6.9704, 0.5724, 0.2927

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.



23.8440, 0.4404, 0.3035



23.8440, 0.2523, 0.4284



23.8440, 0.2780, 0.2174

Square

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



23.8440, 0.2523, 0.4284



23.8440, 0.1781, 0.2168



23.8440, 0.3626, 0.2525



23.8440, 0.4616, 0.4226

Rectangle

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



23.8440, 0.2523, 0.4284



23.8440, 0.1764, 0.2830



23.8440, 0.3626, 0.2525



23.8440, 0.4710, 0.3424

Sweetspot

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



23.8465, 0.2523, 0.4284



49.6441, 0.2811, 0.3539



23.4245, 0.3165, 0.5869



10.8034, 0.2776, 0.3576



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.



23.8465, 0.2523, 0.4284



42.6676, 0.2529, 0.4305



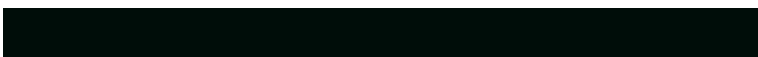
16.9564, 0.2084, 0.2702



6.9949, 0.3027, 0.3358



19.7126, 0.2521, 0.4276



0.3010, 0.2386, 0.3788

Inverse Universe

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



6.9704, 0.5724, 0.2927



12.4526, 0.5773, 0.2954



7.6060, 0.6185, 0.3471



6.2517, 0.3239, 0.3223



5.7656, 0.5705, 0.2916



0.0921, 0.4658, 0.2339

Previews

White Background



This preview shows how the Yxy color 23.8440, 0.2523, 0.4284 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 23.8440, 0.2523, 0.4284 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 23.8440, 0.2523, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 23.8440, 0.2523, 0.4284.



This preview shows how white text looks on a background with the Yxy color 23.8440, 0.2523, 0.4284.

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

23.8440, 0.2523, 0.4284

Protanopia

23.4965, 0.3632, 0.3893

Deuteranopia

23.5006, 0.3617, 0.3538



Tritanopia

23.7565, 0.2302, 0.3061

Trichromacy



Original Color

23.8440, 0.2523, 0.4284



Protanomaly

21.9199, 0.2990, 0.4085



Deuteranomaly

21.6357, 0.2966, 0.3808



Tritanomaly

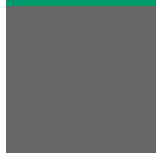
23.6823, 0.2363, 0.3489

Monochromacy



Original Color

23.8440, 0.2523, 0.4284



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

15.7980, 0.2687, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8440, 0.2523, 0.4284 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, 153, 107)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 107)  
}
```

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, 153, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 107) }
```

Border

The CSS property to change the border of an element to Yxy 23.8440, 0.2523, 0.4284 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, 153, 107) }
```

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

```
.border{ border-color:rgb(0, 153, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 107);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8440, 0.2523, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 107) }
```

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

```
.background{ background-color: rgb(0, 153,  
107) }
```

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