

Converting Colors

$Yxy(24.1863, 0.2234, 0.3930)$

Have a look what the booklet for
Yxy(24.1863, 0.2234, 0.3930)
contains.

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Color

Yxy(25.2833, 0.2418, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	009C7E
RGB	0, 156, 126
RGB Percent	0%, 61%, 49%
CMY	1.0000, 0.3882, 0.5059
CMYK	1.00, 0.00, 0.19, 0.39
HSL	168°, 100%, 31%
HSV	168°, 100%, 61%
XYZ	15.6516, 25.2833, 23.7945
YIQ	105.9360, -83.3460, -42.4020

Conversions

Conversions Part 2

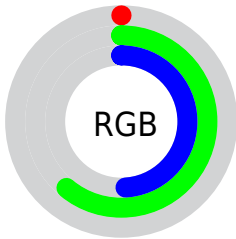
Format	Color
RYB	0, 86, 156
Decimal	40062
CIELab	57.35, -42.11, 6.00
CIELCh	57, 42.532, 171.892
Yxy	25.2833, 0.2418, 0.3906
Android (android.graphics.Color)	4278230142 (0xFF009C7E)
YUV	105.9360, 9.8916, -92.9059
Hunter-Lab	50.2825, -32.4322, 7.1407

Details

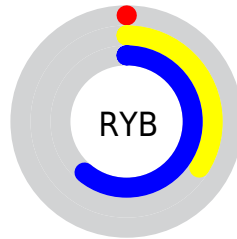
The Yxy color **25.2833, 0.2418, 0.3906** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.1625, 0.6068, 0.3116**, and the grayscale version is **14.3856, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9671, 0.2570, 0.3757**, and **10.4365, 0.2473, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **25.2862, 0.2418, 0.3906**, and if you desaturate by 10%, it is **25.4715, 0.2420, 0.3838**.

Distribution



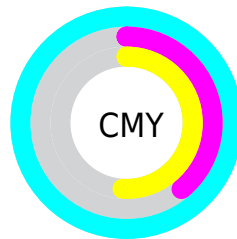
- Red (0%)
- Green (61%)
- Blue (49%)



- Red (0%)
- Yellow (34%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2833, 0.2418, 0.3906 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 25.2833, 0.2418, 0.3906 by changing the saturation by 10% instead.


 25.2833, 0.2418,
0.3906


 25.2833, 0.2418,
0.3906


279.2459, 0.2811,
0.3558


 16.2882, 0.2306,
0.4009


 52.1164, 0.2571,
0.3768

 9.7284, 0.2152,
0.4154


 70.7233, 0.2625,
0.3720


 5.2192, 0.1930,
0.4369

 93.3030, 0.2670,
0.3681

 2.3765, 0.1585,
0.4721

 120.2397, 0.2707,
0.3648

 0.8137, 0.0000,
0.6356

 151.9180, 0.2739,
0.3620

 0.0000, 0.0000,
0.0000

 188.7222, 0.2766,

0.3596

231.0367, 0.2790,
0.3576

■ 25.2833, 0.2418,
0.3906

■ 25.2833, 0.2418,
0.3906

■ 25.2862, 0.2418,
0.3906

■ 25.4715, 0.2420,
0.3838

■ 25.7403, 0.2435,
0.3769

■ 26.1288, 0.2468,
0.3701

■ 26.6521, 0.2520,
0.3633

■ 27.3229, 0.2590,
0.3567

■ 28.1524, 0.2676,
0.3504

■ 29.1508, 0.2775,
0.3444

■ 30.3274, 0.2885,
0.3388

■ 31.6908, 0.3004,
0.3337

Harmonies

Analogous

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



25.2833, 0.3059, 0.4502



25.2833, 0.2418, 0.3906



25.2833, 0.1998, 0.3136

Triad

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



25.2833, 0.2418, 0.3906



25.2833, 0.2414, 0.2193



25.2833, 0.4573, 0.3787

Complementary

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



25.2833, 0.2418, 0.3906



7.1625, 0.6068, 0.3116

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.



25.2833, 0.4390, 0.3246



25.2833, 0.2418, 0.3906



25.2833, 0.3058, 0.2379

Square

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



25.2833, 0.2418, 0.3906



25.2833, 0.2005, 0.2234



25.2833, 0.3806, 0.2752



25.2833, 0.4318, 0.4294

Rectangle

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



25.2833, 0.2418, 0.3906



25.2833, 0.1876, 0.2709



25.2833, 0.3806, 0.2752



25.2833, 0.4563, 0.3606

Sweetspot

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



25.2862, 0.2418, 0.3906



52.8235, 0.2769, 0.3448



24.0742, 0.3075, 0.5941



11.4612, 0.2729, 0.3471



78.7412, 0.3127, 0.3290



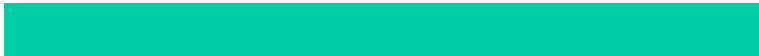
13.2868, 0.3127, 0.3290

Same Dimension

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



25.2862, 0.2418, 0.3906



45.8938, 0.2422, 0.3919



13.3818, 0.1971, 0.2295



7.4876, 0.3013, 0.3333



20.8305, 0.2417, 0.3901



0.3776, 0.2341, 0.3628

Inverse Universe

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



7.1625, 0.6068, 0.3116



12.9854, 0.6108, 0.3139



9.0860, 0.5939, 0.3666



6.6660, 0.3255, 0.3247



5.9031, 0.6051, 0.3107



0.1105, 0.5156, 0.2614

Previews

White Background



This preview shows how the Yxy color 25.2833, 0.2418, 0.3906 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 25.2833, 0.2418, 0.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

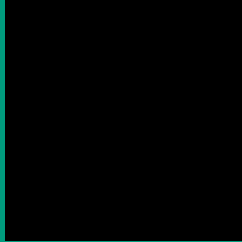
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2833, 0.2418, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 25.2833, 0.2418, 0.3906.

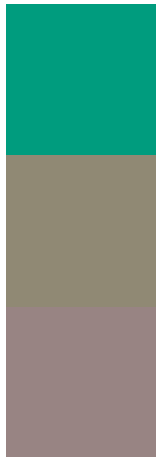


This preview shows how white text looks on a background with the Yxy color 25.2833, 0.2418, 0.3906.

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

25.2833, 0.2418, 0.3906

Protanopia

25.0816, 0.3430, 0.3645

Deuteranopia

24.8166, 0.3371, 0.3307



Tritanopia

25.3819, 0.2277, 0.3066

Trichromacy



Original Color

25.2833, 0.2418, 0.3906



Protanomaly

23.5779, 0.2834, 0.3758



Deuteranomaly

23.1761, 0.2796, 0.3519



Tritanomaly

25.2605, 0.2309, 0.3346

Monochromacy



Original Color

25.2833, 0.2418, 0.3906



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

16.8008, 0.2632, 0.3536

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2833, 0.2418, 0.3906 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, 156, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 126)  
}
```

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, 156, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 126) }
```

Border

The CSS property to change the border of an element to Yxy 25.2833, 0.2418, 0.3906 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, 156, 126) }
```

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

```
.border{ border-color:rgb(0, 156, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2833, 0.2418, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 126) }
```

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

```
.background{ background-color: rgb(0, 156,  
126) }
```

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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