

Converting Colors

$Y_{xy}(22.6236, 0.1912, 0.4494)$

Have a look what the booklet for
Yxy(22.6236, 0.1912, 0.4494)
contains.

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Color

$\text{Yxy}(25.1967, 0.2535, 0.4327)$

Conversions

Conversions Part 1	
Format	Color
Hex	009D6C
RGB	0, 157, 108
RGB Percent	0%, 62%, 42%
CMY	1.0000, 0.3843, 0.5765
CMYK	1.00, 0.00, 0.31, 0.38
HSL	161°, 100%, 31%
HSV	161°, 100%, 62%
XYZ	14.7616, 25.1967, 18.2730
YIQ	104.4710, -77.8430, -48.5230

Conversions

Conversions Part 2

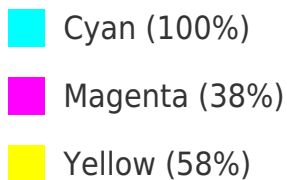
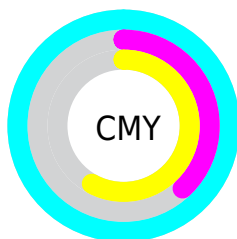
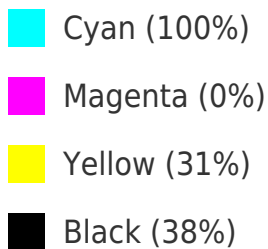
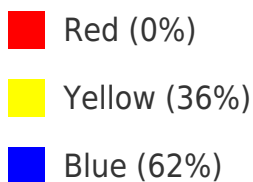
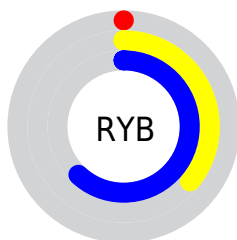
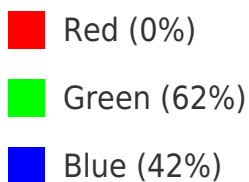
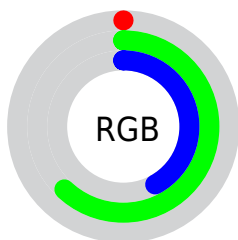
Format	Color
RYB	0, 93, 157
Decimal	40300
CIELab	57.27, -47.04, 16.00
CIELCh	57, 49.689, 161.212
Yxy	25.1967, 0.2535, 0.4327
Android (android.graphics.Color)	4278230380 (0xFF009D6C)
YUV	104.4710, 1.7398, -91.6211
Hunter-Lab	50.1963, -35.3506, 13.5540

Details

The Yxy color **25.1967, 0.2535, 0.4327** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.3906, 0.5688, 0.2907**, and the grayscale version is **13.9884, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2013, 0.2671, 0.4081**, and **10.2269, 0.2628, 0.4662** is the 20% darker color. If you saturate the color by 10%, you get **25.1991, 0.2535, 0.4327**, and if you desaturate by 10%, it is **25.4140, 0.2526, 0.4211**.


Distribution





Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1967, 0.2535, 0.4327 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 25.1967, 0.2535, 0.4327 by changing the saturation by 10% instead.


 25.1967, 0.2535,
0.4327


 25.1967, 0.2535,
0.4327


 278.8161, 0.2876,
0.3723


 16.2237, 0.2431,
0.4515


 51.9761, 0.2671,
0.4083


 9.6826, 0.2285,
0.4783


 70.5513, 0.2719,
0.3999


 5.1890, 0.2064,
0.5195


 93.0961, 0.2757,
0.3931

 2.3586, 0.1676,
0.5912

 119.9947, 0.2789,
0.3875

 0.8045, 0.0000,
1.0000

 151.6316, 0.2816,
0.3828

 0.0000, 0.0000,
0.0000

 188.3912, 0.2839,

0.3788

230.6579, 0.2858,
0.3753

■ 25.1967, 0.2535,
0.4327

■ 25.1967, 0.2535,
0.4327

■ 25.1991, 0.2535,
0.4327

■ 25.4140, 0.2526,
0.4211

■ 25.7173, 0.2530,
0.4094


■ 26.1458, 0.2554,
0.3977

■ 26.7148, 0.2597,
0.3862

■ 27.4372, 0.2657,
0.3750

 28.3247, 0.2732,
0.3644

 29.3875, 0.2820,
0.3544

 30.6351, 0.2917,
0.3451

 32.0765, 0.3020,
0.3367

Harmonies

Analogous

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



25.1967, 0.3315, 0.4844



25.1967, 0.2535, 0.4327



25.1967, 0.1960, 0.3409

Triad

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



25.1967, 0.2535, 0.4327



25.1967, 0.2107, 0.2025



25.1967, 0.4796, 0.3607

Complementary

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



25.1967, 0.2535, 0.4327



7.3906, 0.5688, 0.2907

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.



25.1967, 0.4404, 0.3012



25.1967, 0.2535, 0.4327



25.1967, 0.2749, 0.2152

Square

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



25.1967, 0.2535, 0.4327



25.1967, 0.1757, 0.2161



25.1967, 0.3605, 0.2501



25.1967, 0.4648, 0.4217

Rectangle

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



25.1967, 0.2535, 0.4327



25.1967, 0.1752, 0.2844



25.1967, 0.3605, 0.2501



25.1967, 0.4725, 0.3404

Sweetspot

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



25.1991, 0.2535, 0.4327



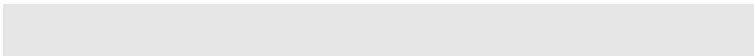
52.5060, 0.2814, 0.3550



24.7873, 0.3164, 0.5870



11.3835, 0.2779, 0.3588



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.



25.1991, 0.2535, 0.4327



45.0889, 0.2541, 0.4348



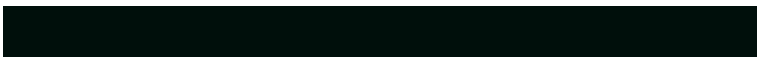
17.9310, 0.2084, 0.2700



7.4742, 0.3028, 0.3361



20.4711, 0.2533, 0.4318



0.3733, 0.2404, 0.3855

Inverse Universe

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



7.3906, 0.5688, 0.2907



13.2038, 0.5736, 0.2933



8.0370, 0.6188, 0.3468



6.6786, 0.3238, 0.3220



6.0080, 0.5668, 0.2896



0.1146, 0.4656, 0.2339

Previews

White Background



This preview shows how the Yxy color 25.1967, 0.2535, 0.4327 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 25.1967, 0.2535, 0.4327 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 25.1967, 0.2535, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 25.1967, 0.2535, 0.4327.



This preview shows how white text looks on a background with the Yxy color 25.1967, 0.2535, 0.4327.

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

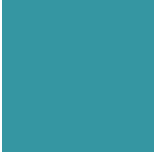
25.1967, 0.2535, 0.4327

Protanopia

24.9952, 0.3651, 0.3928

Deuteranopia

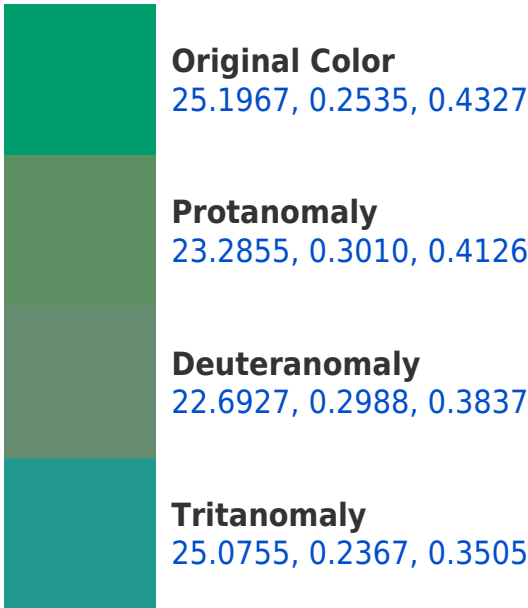
24.7166, 0.3643, 0.3565



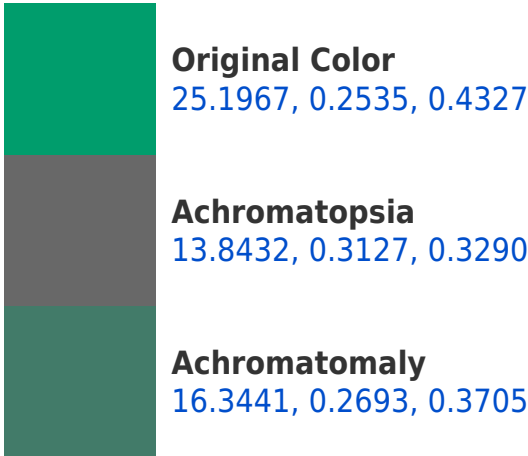
Tritanopia

25.1782, 0.2301, 0.3066

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1967, 0.2535, 0.4327 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, 157, 108)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 108)  
}
```

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, 157, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 108) }
```

Border

The CSS property to change the border of an element to Yxy 25.1967, 0.2535, 0.4327 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, 157, 108) }
```

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

```
.border{ border-color:rgb(0, 157, 108) }
```

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

Here you see how a box with a 4 pixel rgb(0, 157, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 108);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1967, 0.2535, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 108) }
```

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

```
.background{ background-color: rgb(0, 157,  
108) }
```

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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