

Converting Colors

$Yxy(25.7097, 0.1886, 0.4511)$

Have a look what the booklet for
Yxy(25.7097, 0.1886, 0.4511)
contains.

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Color

Yxy(28.8752, 0.2536, 0.4330)

Conversions

Conversions Part 1

Format	Color
Hex	00A773
RGB	0, 167, 115
RGB Percent	0%, 65%, 45%
CMY	1.0000, 0.3451, 0.5490
CMYK	1.00, 0.00, 0.31, 0.35
HSL	161°, 100%, 33%
HSV	161°, 100%, 65%
XYZ	16.9117, 28.8752, 20.8995
YIQ	111.1390, -82.8400, -51.5760

Conversions

Conversions Part 2

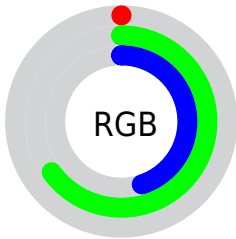
Format	Color
RYB	0, 99, 167
Decimal	42867
CIELab	60.67, -49.26, 16.82
CIELCh	61, 52.049, 161.143
Yxy	28.8752, 0.2536, 0.4330
Android (android.graphics.Color)	4278232947 (0xFF00A773)
YUV	111.1390, 1.9035, -97.4689
Hunter-Lab	53.7356, -37.8599, 14.5552

Details

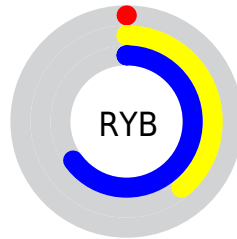
The Yxy color **28.8752, 0.2536, 0.4330** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4641, 0.5703, 0.2915**, and the grayscale version is **15.9518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7895, 0.2668, 0.4093**, and **12.4399, 0.2622, 0.4640** is the 20% darker color. If you saturate the color by 10%, you get **28.8771, 0.2536, 0.4330**, and if you desaturate by 10%, it is **29.1167, 0.2525, 0.4214**.

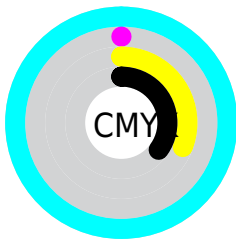
Distribution



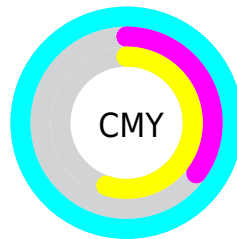
- Red (0%)
- Green (65%)
- Blue (45%)



- Red (0%)
- Yellow (39%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (31%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8752, 0.2536, 0.4330 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 28.8752, 0.2536, 0.4330 by changing the saturation by 10% instead.


 28.8752, 0.2536,
0.4330


 28.8752, 0.2536,
0.4330

296.6257, 0.2870,
0.3736


 18.9864, 0.2438,
0.4508


 57.8787, 0.2668,
0.4093


 11.6605, 0.2302,
0.4759


 77.7623, 0.2714,
0.4011

 6.5129, 0.2101,
0.5133


 101.7463, 0.2752,
0.3944

 3.1594, 0.1781,
0.5746

 130.2150, 0.2783,
0.3888

 1.2155, 0.0000,
0.9169

 163.5529, 0.2810,
0.3841

 0.0743, 0.0000,
1.0000

 202.1444, 0.2832,

 0.0000, 0.0000,

0.3801

0.0000

246.3739, 0.2852,
0.3766

■ 28.8752, 0.2536,
0.4330

■ 28.8752, 0.2536,
0.4330

■ 28.8771, 0.2536,
0.4330

■ 29.1167, 0.2525,
0.4214

■ 29.4602, 0.2529,
0.4097

■ 29.9479, 0.2553,
0.3979

■ 30.5976, 0.2595,
0.3864

■ 31.4244, 0.2655,
0.3752

■ 32.4419, 0.2731,
0.3645

■ 33.6621, 0.2818,
0.3545

■ 35.0961, 0.2915,
0.3452

■ 36.7541, 0.3019,
0.3367

Harmonies

Analogous

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



28.8752, 0.3317, 0.4846



28.8752, 0.2536, 0.4330



28.8752, 0.1960, 0.3412

Triad

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



28.8752, 0.2536, 0.4330



28.8752, 0.2105, 0.2024



28.8752, 0.4797, 0.3606

Complementary

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



28.8752, 0.2536, 0.4330



8.4641, 0.5703, 0.2915

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.



28.8752, 0.4404, 0.3011



28.8752, 0.2536, 0.4330



28.8752, 0.2747, 0.2150

Square

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



28.8752, 0.2536, 0.4330



28.8752, 0.1756, 0.2161



28.8752, 0.3603, 0.2499



28.8752, 0.4651, 0.4216

Rectangle

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



28.8752, 0.2536, 0.4330



28.8752, 0.1752, 0.2846



28.8752, 0.3603, 0.2499



28.8752, 0.4726, 0.3403

Sweetspot

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



28.8771, 0.2536, 0.4330



60.1541, 0.2813, 0.3550



28.3932, 0.3161, 0.5872



13.2549, 0.2777, 0.3590



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.8771, 0.2536, 0.4330



51.6747, 0.2542, 0.4350



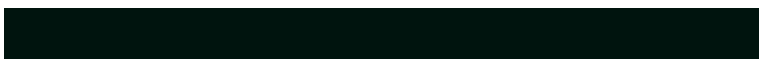
20.5080, 0.2083, 0.2697



8.4917, 0.3027, 0.3361



22.1046, 0.2533, 0.4319



0.5464, 0.2427, 0.3936

Inverse Universe

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



8.4641, 0.5703, 0.2915



15.1247, 0.5748, 0.2940



9.1762, 0.6195, 0.3463



7.5794, 0.3239, 0.3220



6.4843, 0.5678, 0.2902



0.1669, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 28.8752, 0.2536, 0.4330 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 28.8752, 0.2536, 0.4330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

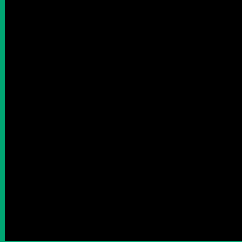
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8752, 0.2536, 0.4330

Background



This preview shows how black text looks on a background with the Yxy color 28.8752, 0.2536, 0.4330.



This preview shows how white text looks on a background with the Yxy color 28.8752, 0.2536, 0.4330.

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

28.8752, 0.2536, 0.4330

Protanopia

28.3386, 0.3656, 0.3927

Deuteranopia

28.4615, 0.3645, 0.3580



Tritanopia

29.0286, 0.2299, 0.3061

Trichromacy



Original Color

28.8752, 0.2536, 0.4330



Protanomaly

26.5392, 0.2996, 0.4120



Deuteranomaly

26.2704, 0.2984, 0.3862



Tritanomaly

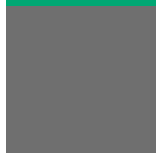
28.8365, 0.2361, 0.3492

Monochromacy



Original Color

28.8752, 0.2536, 0.4330



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.7420, 0.2695, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8752, 0.2536, 0.4330 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, 167, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 115)  
}
```

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, 167, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 115) }
```

Border

The CSS property to change the border of an element to Yxy 28.8752, 0.2536, 0.4330 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, 167, 115) }
```

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

```
.border{ border-color:rgb(0, 167, 115) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8752, 0.2536, 0.4330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 115) }
```

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

```
.background{ background-color: rgb(0, 167,  
115) }
```

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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