

Converting Colors

$Yxy(24.5745, 0.1871, 0.4412)$

Have a look what the booklet for
Yxy(24.5745, 0.1871, 0.4412)
contains.

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Color

Yxy(27.4553, 0.2513, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	00A374
RGB	0, 163, 116
RGB Percent	0%, 64%, 45%
CMY	0.9985, 0.3608, 0.5451
CMYK	1.00, 0.00, 0.29, 0.36
HSL	163°, 100%, 32%
HSV	163°, 100%, 64%
XYZ	16.2533, 27.4553, 20.9682
YIQ	108.9050, -82.0610, -49.1730

Conversions

Conversions Part 2

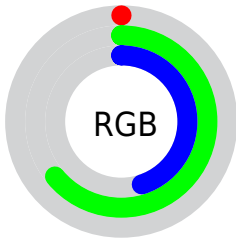
Format	Color
RYB	0, 95, 163
Decimal	41844
CIELab	59.39, -47.45, 14.49
CIELCh	59, 49.610, 163.013
Yxy	27.4553, 0.2513, 0.4245
Android (android.graphics.Color)	4278231924 (0xFF00A374)
YUV	108.9050, 3.4978, -95.5097
Hunter-Lab	52.3978, -36.3272, 12.9522

Details

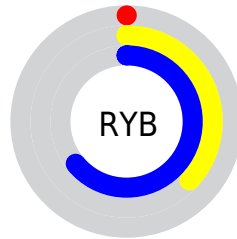
The Yxy color **27.4553, 0.2513, 0.4245** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.0023, 0.5771, 0.2955**, and the grayscale version is **15.3047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6638, 0.2651, 0.4030**, and **11.5692, 0.2592, 0.4530** is the 20% darker color. If you saturate the color by 10%, you get **27.4515, 0.2513, 0.4247**, and if you desaturate by 10%, it is **27.6826, 0.2505, 0.4138**.

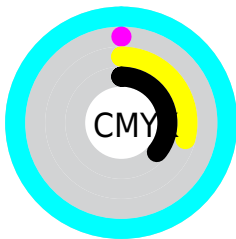
Distribution



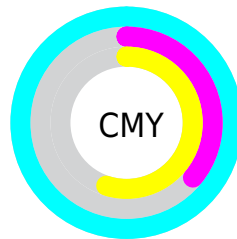
- Red (0%)
- Green (64%)
- Blue (45%)



- Red (0%)
- Yellow (37%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.4553, 0.2513, 0.4245 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 27.4553, 0.2513, 0.4245 by changing the saturation by 10% instead.

 27.4553, 0.2513,
0.4245


 27.4553, 0.2513,
0.4245

289.8549, 0.2859,
0.3698


 17.9155, 0.2411,
0.4410


 55.6136, 0.2649,
0.4026

 10.8893, 0.2271,
0.4644


 75.0009, 0.2697,
0.3951

 5.9925, 0.2064,
0.4995

 98.4394, 0.2736,
0.3889

 2.8405, 0.1733,
0.5575

 126.3136, 0.2769,
0.3838

 1.0490, 0.0000,
0.8981

 159.0079, 0.2797,
0.3795

 0.0000, 0.0000,
0.0000

 196.9066, 0.2820,

0.3758

240.3941, 0.2841,
0.3726

■ 27.4553, 0.2513,
0.4245

■ 27.4553, 0.2513,
0.4245

■ 27.4515, 0.2513,
0.4247

■ 27.6826, 0.2505,
0.4138

■ 28.0073, 0.2511,
0.4030

■ 28.4680, 0.2537,
0.3923

■ 29.0812, 0.2582,
0.3816

■ 29.8613, 0.2645,
0.3714

■ 30.8207, 0.2722,
0.3616

■ 31.9710, 0.2812,
0.3523

■ 33.3223, 0.2912,
0.3438

■ 34.8845, 0.3019,
0.3359

Harmonies

Analogous

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



27.4553, 0.3268, 0.4782



27.4553, 0.2513, 0.4245



27.4553, 0.1967, 0.3355

Triad

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



27.4553, 0.2513, 0.4245



27.4553, 0.2163, 0.2056



27.4553, 0.4754, 0.3641

Complementary

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



27.4553, 0.2513, 0.4245



8.0023, 0.5771, 0.2955

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.



27.4553, 0.4403, 0.3056



27.4553, 0.2513, 0.4245



27.4553, 0.2807, 0.2194

Square

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



27.4553, 0.2513, 0.4245



27.4553, 0.1803, 0.2175



27.4553, 0.3644, 0.2547



27.4553, 0.4586, 0.4233

Rectangle

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



27.4553, 0.2513, 0.4245



27.4553, 0.1776, 0.2817



27.4553, 0.3644, 0.2547



27.4553, 0.4696, 0.3442

Sweetspot

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



27.4564, 0.2513, 0.4245



57.0864, 0.2805, 0.3530



26.8506, 0.3148, 0.5881



12.6286, 0.2768, 0.3567



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.4564, 0.2513, 0.4245



49.1303, 0.2519, 0.4267



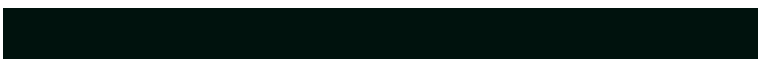
18.7375, 0.2068, 0.2643



7.9762, 0.3024, 0.3356



21.3443, 0.2511, 0.4238



0.4560, 0.2403, 0.3851

Inverse Universe

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



8.0023, 0.5771, 0.2955



14.2836, 0.5824, 0.2982



8.8689, 0.6157, 0.3490



7.1181, 0.3242, 0.3225



6.2187, 0.5755, 0.2944



0.1385, 0.4792, 0.2413

Previews

White Background



This preview shows how the Yxy color 27.4553, 0.2513, 0.4245 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 27.4553, 0.2513, 0.4245 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 27.4553, 0.2513, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 27.4553, 0.2513, 0.4245.



This preview shows how white text looks on a background with the Yxy color 27.4553, 0.2513, 0.4245.

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

27.4553, 0.2513, 0.4245

Protanopia

27.0620, 0.3613, 0.3876

Deuteranopia

27.0830, 0.3587, 0.3525



Tritanopia

27.4258, 0.2292, 0.3056

Trichromacy



Original Color

27.4553, 0.2513, 0.4245



Protanomaly

25.4799, 0.2969, 0.4056



Deuteranomaly

24.8569, 0.2946, 0.3779



Tritanomaly

27.3384, 0.2348, 0.3458

Monochromacy



Original Color

27.4553, 0.2513, 0.4245



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

18.1356, 0.2673, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4553, 0.2513, 0.4245 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, 163, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 116)  
}
```

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, 163, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 116) }
```

Border

The CSS property to change the border of an element to Yxy 27.4553, 0.2513, 0.4245 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, 163, 116) }
```

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

```
.border{ border-color:rgb(0, 163, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4553, 0.2513, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 116) }
```

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

```
.background{ background-color: rgb(0, 163,  
116) }
```

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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