

Converting Colors

$Yxy(25.9640, 0.2338, 0.4142)$

Have a look what the booklet for
Yxy(25.9640, 0.2338, 0.4142)
contains.

Yxy(26.8458, 0.2479, 0.4125)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(26.8458, 0.2479, 0.4125)$

Conversions

Conversions Part 1

Format	Color
Hex	00A178
RGB	0, 161, 120
RGB Percent	0%, 63%, 47%
CMY	1.0000, 0.3686, 0.5294
CMYK	1.00, 0.00, 0.25, 0.37
HSL	165°, 100%, 32%
HSV	165°, 100%, 63%
XYZ	16.1335, 26.8458, 22.1014
YIQ	108.1870, -82.7950, -46.8830

Conversions

Conversions Part 2

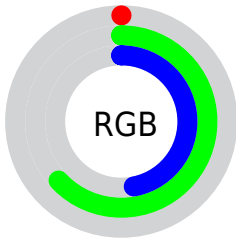
Format	Color
RYB	0, 92, 161
Decimal	41336
CIELab	58.83, -45.71, 11.48
CIELCh	59, 47.126, 165.900
Yxy	26.8458, 0.2479, 0.4125
Android (android.graphics.Color)	4278231416 (0xFF00A178)
YUV	108.1870, 5.8238, -94.8800
Hunter-Lab	51.8129, -35.0913, 10.9782

Details

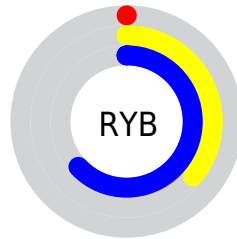
The Yxy color **26.8458, 0.2479, 0.4125** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.7378, 0.5891, 0.3019**, and the grayscale version is **15.0532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7281, 0.2621, 0.3943**, and **11.1801, 0.2553, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **26.8479, 0.2479, 0.4125**, and if you desaturate by 10%, it is **27.0606, 0.2474, 0.4032**.

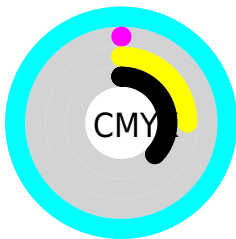
Distribution



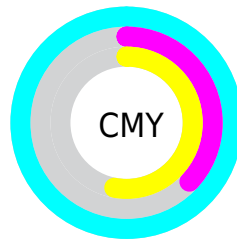
- Red (0%)
- Green (63%)
- Blue (47%)



- Red (0%)
- Yellow (36%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (37%)





- Cyan (100%)
- Magenta (37%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8458, 0.2479, 0.4125 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 26.8458, 0.2479, 0.4125 by changing the saturation by 10% instead.


 26.8458, 0.2479,
0.4125


 26.8458, 0.2479,
0.4125


286.9097, 0.2841,
0.3649

 17.4574, 0.2374,
0.4268


 54.6363, 0.2621,
0.3935


 10.5612, 0.2230,
0.4470


 73.8073, 0.2671,
0.3869

 5.7726, 0.2019,
0.4773

 97.0079, 0.2712,
0.3815

 2.7073, 0.1687,
0.5274

 124.6226, 0.2746,
0.3771

 0.9809, 0.0000,
0.7893

 157.0357, 0.2775,
0.3733

 0.0000, 0.0000,
0.0000

 194.6317, 0.2800,

0.3701

237.7949, 0.2822,
0.3673

■ 26.8458, 0.2479,
0.4125

■ 26.8458, 0.2479,
0.4125

■ 26.8479, 0.2479,
0.4125

■ 27.0606, 0.2474,
0.4032

■ 27.3659, 0.2484,
0.3938

■ 27.8018, 0.2512,
0.3845

■ 28.3844, 0.2559,
0.3752

■ 29.1275, 0.2624,
0.3663

■ 30.0435, 0.2704,
0.3577

■ 31.1434, 0.2798,
0.3496

■ 32.4370, 0.2901,
0.3421

■ 33.9340, 0.3012,
0.3353

Harmonies

Analogous

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



26.8458, 0.3195, 0.4688



26.8458, 0.2479, 0.4125



26.8458, 0.1977, 0.3275

Triad

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



26.8458, 0.2479, 0.4125



26.8458, 0.2248, 0.2103



26.8458, 0.4693, 0.3693

Complementary

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



26.8458, 0.2479, 0.4125



7.7378, 0.5891, 0.3019

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.



26.8458, 0.4401, 0.3121



26.8458, 0.2479, 0.4125



26.8458, 0.2894, 0.2257

Square

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



26.8458, 0.2479, 0.4125



26.8458, 0.1871, 0.2194



26.8458, 0.3702, 0.2617



26.8458, 0.4494, 0.4257

Rectangle

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



26.8458, 0.2479, 0.4125



26.8458, 0.1809, 0.2778



26.8458, 0.3702, 0.2617



26.8458, 0.4652, 0.3499

Sweetspot

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



26.8479, 0.2479, 0.4125



55.6508, 0.2792, 0.3501



26.0039, 0.3120, 0.5905



12.0275, 0.2754, 0.3532



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



26.8479, 0.2479, 0.4125



48.0452, 0.2484, 0.4142



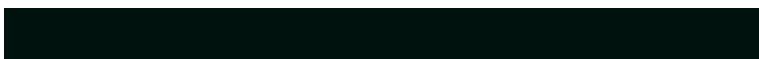
16.8482, 0.2035, 0.2527



7.9803, 0.3020, 0.3348



21.4478, 0.2477, 0.4117



0.4576, 0.2384, 0.3781

Inverse Universe

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



7.7378, 0.5891, 0.3019



13.8292, 0.5935, 0.3043



8.9364, 0.6095, 0.3542



7.1142, 0.3247, 0.3233



6.1853, 0.5870, 0.3007



0.1371, 0.4925, 0.2487

Previews

White Background



This preview shows how the Yxy color 26.8458, 0.2479, 0.4125 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 26.8458, 0.2479, 0.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

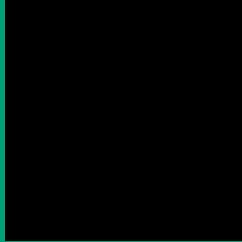
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8458, 0.2479, 0.4125

Background



This preview shows how black text looks on a background with the Yxy color 26.8458, 0.2479, 0.4125.



This preview shows how white text looks on a background with the Yxy color 26.8458, 0.2479, 0.4125.

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

26.8458, 0.2479, 0.4125

Protanopia

26.3660, 0.3555, 0.3784

Deuteranopia

26.5883, 0.3511, 0.3449



Tritanopia

26.9628, 0.2291, 0.3072

Trichromacy



Original Color

26.8458, 0.2479, 0.4125



Protanomaly

24.8276, 0.2916, 0.3946



Deuteranomaly

24.5308, 0.2891, 0.3685



Tritanomaly

26.6393, 0.2336, 0.3421

Monochromacy



Original Color

26.8458, 0.2479, 0.4125



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.6138, 0.2667, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8458, 0.2479, 0.4125 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, 161, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 120)  
}
```

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, 161, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 120) }
```

Border

The CSS property to change the border of an element to Yxy 26.8458, 0.2479, 0.4125 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, 161, 120) }
```

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

```
.border{ border-color:rgb(0, 161, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8458, 0.2479, 0.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 120) }
```

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

```
.background{ background-color: rgb(0, 161,  
120) }
```

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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