

Converting Colors

$Y_{xy}(11.7688, 0.2559, 0.4411)$

Have a look what the booklet for
Yxy(11.7688, 0.2559, 0.4411)
contains.

Yxy(11.8368, 0.2563, 0.4426)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.8368, 0.2563, 0.4426)

Conversions

Conversions Part 1

Format	Color
Hex	006F48
RGB	0, 111, 72
RGB Percent	0%, 44%, 28%
CMY	0.9997, 0.5647, 0.7177
CMYK	1.00, 0.00, 0.35, 0.56
HSL	159°, 100%, 22%
HSV	159°, 100%, 44%
XYZ	6.8544, 11.8368, 8.0526
YIQ	73.3650, -53.6370, -35.6610

Conversions

Conversions Part 2

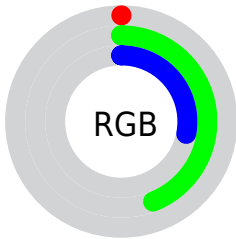
Format	Color
RYB	0, 67, 111
Decimal	28488
CIELab	40.96, -37.38, 14.25
CIELCh	41, 40.002, 159.132
Yxy	11.8368, 0.2563, 0.4426
Android (android.graphics.Color)	4278218568 (0xFF006F48)
YUV	73.3650, -0.6729, -64.3411
Hunter-Lab	34.4047, -24.6456, 10.2062

Details

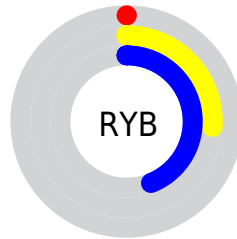
The Yxy color **11.8368, 0.2563, 0.4426** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5279, 0.5455, 0.2779**, and the grayscale version is **6.7416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3479, 0.2722, 0.4102**, and **3.5291, 0.2706, 0.4943** is the 20% darker color. If you saturate the color by 10%, you get **11.8366, 0.2563, 0.4427**, and if you desaturate by 10%, it is **11.9617, 0.2560, 0.4297**.

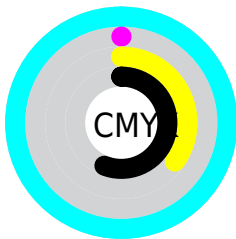
Distribution



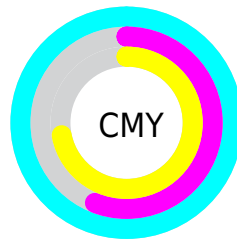
- Red (0%)
- Green (44%)
- Blue (28%)



- Red (0%)
- Yellow (26%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (72%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8368, 0.2563, 0.4426 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 11.8368, 0.2563, 0.4426 by changing the saturation by 10% instead.

 11.8368, 0.2563,
0.4426


 11.8368, 0.2563,
0.4426


203.3219, 0.2925,
0.3694


 6.6326, 0.2425,
0.4707


 29.1975, 0.2723,
0.4101


 3.2334, 0.2201,
0.5166

 42.1229, 0.2774,
0.3999

 1.2548, 0.1321,
0.6896

 58.3908, 0.2813,
0.3920

 0.1058, 0.0000,
1.0000


 78.3856, 0.2844,
0.3857


 0.0000, 0.0000,
0.0000


 102.4917, 0.2870,
0.3805

 131.0935, 0.2892,


0.3762


 164.5754, 0.2910,
0.3725


 11.8368, 0.2563,
0.4426

 11.8368, 0.2563,
0.4426


 11.8366, 0.2563,
0.4427

 11.9617, 0.2560,
0.4297

 12.1189, 0.2566,
0.4168

 12.3339, 0.2591,
0.4039

 12.6129, 0.2633,
0.3913

 12.9615, 0.2691,
0.3791

■ 13.3843, 0.2762,
0.3675

■ 13.8857, 0.2844,
0.3566

■ 14.4699, 0.2934,
0.3465

■ 15.1405, 0.3029,
0.3373

Harmonies

Analogous

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



11.8368, 0.3373, 0.4914



11.8368, 0.2563, 0.4426



11.8368, 0.1953, 0.3478

Triad

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



11.8368, 0.2563, 0.4426



11.8368, 0.2041, 0.1989



11.8368, 0.4843, 0.3565

Complementary

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



11.8368, 0.2563, 0.4426



3.5279, 0.5455, 0.2779

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.



11.8368, 0.4402, 0.2960



11.8368, 0.2563, 0.4426



11.8368, 0.2680, 0.2102

Square

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



11.8368, 0.2563, 0.4426



11.8368, 0.1705, 0.2146



11.8368, 0.3556, 0.2446



11.8368, 0.4721, 0.4194

Rectangle

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



11.8368, 0.2563, 0.4426



11.8368, 0.1727, 0.2879



11.8368, 0.3556, 0.2446



11.8368, 0.4758, 0.3358

Sweetspot

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



11.8373, 0.2563, 0.4426



24.7800, 0.2836, 0.3575



11.8353, 0.3236, 0.5812



5.8799, 0.2809, 0.3610



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.8373, 0.2563, 0.4426



21.1704, 0.2572, 0.4460



9.5521, 0.2134, 0.2883



3.7962, 0.3038, 0.3365



13.9427, 0.2566, 0.4437



69.2869, 0.2585, 0.4507

Inverse Universe

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



3.5279, 0.5455, 0.2779



6.2916, 0.5523, 0.2816



3.7173, 0.6223, 0.3440



3.4191, 0.3225, 0.3216



4.1506, 0.5477, 0.2791



20.5256, 0.5616, 0.2867

Previews

White Background



This preview shows how the Yxy color 11.8368, 0.2563, 0.4426 looks on a white 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

Black Background



This preview shows how the Yxy color 11.8368, 0.2563, 0.4426 looks on a black 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

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

Yxy 11.8368, 0.2563, 0.4426

Background



This preview shows how black text looks on a background with the Yxy color 11.8368, 0.2563, 0.4426.



This preview shows how white text looks on a background with the Yxy color 11.8368, 0.2563, 0.4426.

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

11.8368, 0.2563, 0.4426

Protanopia

11.7021, 0.3697, 0.3978

Deuteranopia

11.8612, 0.3715, 0.3663



Tritanopia

11.9543, 0.2331, 0.3086

Trichromacy



Original Color

11.8368, 0.2563, 0.4426

Protanomaly

10.8830, 0.3058, 0.4189

Deuteranomaly

11.0001, 0.3054, 0.3952

Tritanomaly

11.8326, 0.2392, 0.3531

Monochromacy



Original Color

11.8368, 0.2563, 0.4426

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.8783, 0.2714, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8368, 0.2563, 0.4426 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, 111, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 72)  
}
```

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, 111, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 72) }
```

Border

The CSS property to change the border of an element to Yxy 11.8368, 0.2563, 0.4426 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, 111, 72) }
```

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

```
.border{ border-color:rgb(0, 111, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 111, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8368, 0.2563, 0.4426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 111, 72) }
```

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

```
.background{ background-color: rgb(0, 111,  
72) }
```

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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