

Converting Colors

$Yxy(10.9713, 0.2154, 0.4482)$

Have a look what the booklet for
Yxy(10.9713, 0.2154, 0.4482)
contains.

Yxy(11.8633, 0.2545, 0.4364)	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(11.8633, 0.2545, 0.4364)

Conversions

Conversions Part 1

Format	Color
Hex	006F4A
RGB	0, 111, 74
RGB Percent	0%, 44%, 29%
CMY	1.0000, 0.5647, 0.7098
CMYK	1.00, 0.00, 0.33, 0.56
HSL	160°, 100%, 22%
HSV	160°, 100%, 44%
XYZ	6.9184, 11.8633, 8.4027
YIQ	73.5930, -54.2790, -35.0390

Conversions

Conversions Part 2

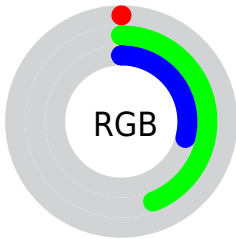
Format	Color
RYB	0, 67, 111
Decimal	28490
CIELab	41.00, -36.92, 13.12
CIElCh	41, 39.178, 160.430
Yxy	11.8633, 0.2545, 0.4364
Android (android.graphics.Color)	4278218570 (0xFF006F4A)
YUV	73.5930, 0.2007, -64.5411
Hunter-Lab	34.4431, -24.4210, 9.6459

Details

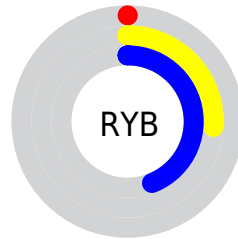
The Yxy color **11.8633, 0.2545, 0.4364** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5137, 0.5525, 0.2818**, and the grayscale version is **6.7797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3974, 0.2708, 0.4062**, and **3.5390, 0.2679, 0.4845** is the 20% darker color. If you saturate the color by 10%, you get **11.8650, 0.2546, 0.4364**, and if you desaturate by 10%, it is **11.9882, 0.2544, 0.4242**.

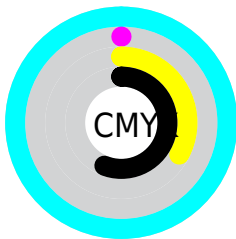
Distribution



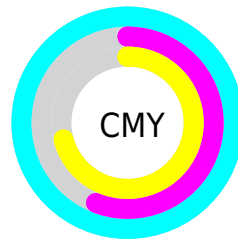
- Red (0%)
- Green (44%)
- Blue (29%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (71%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8633, 0.2545, 0.4364 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 11.8633, 0.2545, 0.4364 by changing the saturation by 10% instead.


 11.8633, 0.2545,
0.4364


 11.8633, 0.2545,
0.4364


203.4982, 0.2916,
0.3674


 6.6507, 0.2406,
0.4628


 29.2459, 0.2708,
0.4058


 3.2446, 0.2182,
0.5058

 42.1846, 0.2760,
0.3962

 1.2607, 0.1330,
0.6549

 58.4675, 0.2800,
0.3887

 0.1105, 0.0000,
1.0000


 78.4790, 0.2832,
0.3828


 0.0000, 0.0000,
0.0000

 102.6034, 0.2859,
0.3779


 131.2251, 0.2881,


0.3738

 164.7286, 0.2900,
0.3703


 11.8633, 0.2545,
0.4364


 11.8633, 0.2545,
0.4364


 11.8650, 0.2546,
0.4364

 11.9882, 0.2544,
0.4242

 12.1436, 0.2552,
0.4120

 12.3565, 0.2578,
0.3999

 12.6331, 0.2621,
0.3879

 12.9787, 0.2681,
0.3764

■ 13.3983, 0.2753,
0.3655

■ 13.8962, 0.2837,
0.3552

■ 14.4765, 0.2929,
0.3457

■ 15.1427, 0.3026,
0.3369

Harmonies

Analogous

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



11.8633, 0.3337, 0.4871



11.8633, 0.2545, 0.4364



11.8633, 0.1957, 0.3434

Triad

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



11.8633, 0.2545, 0.4364



11.8633, 0.2082, 0.2011



11.8633, 0.4814, 0.3592

Complementary

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



11.8633, 0.2545, 0.4364



3.5137, 0.5525, 0.2818

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.



11.8633, 0.4404, 0.2993



11.8633, 0.2545, 0.4364



11.8633, 0.2724, 0.2133

Square

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



11.8633, 0.2545, 0.4364



11.8633, 0.1737, 0.2155



11.8633, 0.3587, 0.2480



11.8633, 0.4676, 0.4209

Rectangle

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



11.8633, 0.2545, 0.4364



11.8633, 0.1742, 0.2857



11.8633, 0.3587, 0.2480



11.8633, 0.4738, 0.3387

Sweetspot

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



11.8650, 0.2546, 0.4364



24.8014, 0.2830, 0.3560



11.7992, 0.3218, 0.5827



5.8856, 0.2802, 0.3593



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.



11.8650, 0.2546, 0.4364



21.2189, 0.2554, 0.4395



9.2169, 0.2119, 0.2829



3.7972, 0.3036, 0.3361



13.9744, 0.2548, 0.4373



69.4479, 0.2567, 0.4440

Inverse Universe

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



3.5137, 0.5525, 0.2818



6.2688, 0.5593, 0.2855



3.7702, 0.6198, 0.3461



3.4182, 0.3228, 0.3220



4.1353, 0.5546, 0.2829



20.4543, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 11.8633, 0.2545, 0.4364 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 11.8633, 0.2545, 0.4364 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 11.8633, 0.2545, 0.4364

Background



This preview shows how black text looks on a background with the Yxy color 11.8633, 0.2545, 0.4364.



This preview shows how white text looks on a background with the Yxy color 11.8633, 0.2545, 0.4364.

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

11.8633, 0.2545, 0.4364

Protanopia

11.7262, 0.3667, 0.3933

Deuteranopia

11.8235, 0.3666, 0.3621



Tritanopia

11.9579, 0.2317, 0.3062

Trichromacy



Original Color

11.8633, 0.2545, 0.4364

Protanomaly

10.9078, 0.3034, 0.4133

Deuteranomaly

10.9898, 0.3015, 0.3900

Tritanomaly

11.8394, 0.2379, 0.3503

Monochromacy



Original Color

11.8633, 0.2545, 0.4364

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.9151, 0.2714, 0.3693

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8633, 0.2545, 0.4364 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 74) }
```

Border

The CSS property to change the border of an element to Yxy 11.8633, 0.2545, 0.4364 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, 74) }
```

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

```
.border{ border-color:rgb(0, 111, 74) }
```

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, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8633, 0.2545, 0.4364 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, 74) }
```

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

```
.background{ background-color: rgb(0, 111,  
74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor