

Converting Colors

$Y_{xy}(11.2515, 0.2508, 0.4914)$

Have a look what the booklet for
Yxy(11.2515, 0.2508, 0.4914)
contains.

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Color

Yxy(11.6744, 0.2682, 0.4856)

Conversions

Conversions Part 1

Format	Color
Hex	006F3A
RGB	0, 111, 58
RGB Percent	0%, 44%, 23%
CMY	1.0000, 0.5647, 0.7725
CMYK	1.00, 0.00, 0.48, 0.56
HSL	151°, 100%, 22%
HSV	151°, 100%, 44%
XYZ	6.4478, 11.6744, 5.9189
YIQ	71.7690, -49.1430, -40.0150

Conversions

Conversions Part 2

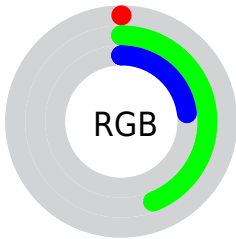
Format	Color
RYB	0, 73, 111
Decimal	28474
CIELab	40.69, -40.45, 21.98
CIELCh	41, 46.038, 151.475
Yxy	11.6744, 0.2682, 0.4856
Android (android.graphics.Color)	4278218554 (0xFF006F3A)
YUV	71.7690, -6.7881, -62.9414
Hunter-Lab	34.1678, -26.1088, 13.6466

Details

The Yxy color **11.6744, 0.2682, 0.4856** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.6366, 0.4956, 0.2504**, and the grayscale version is **6.4576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0080, 0.2827, 0.4403**, and **3.4770, 0.2874, 0.5545** is the 20% darker color. If you saturate the color by 10%, you get **11.6753, 0.2682, 0.4856**, and if you desaturate by 10%, it is **11.8039, 0.2670, 0.4683**.

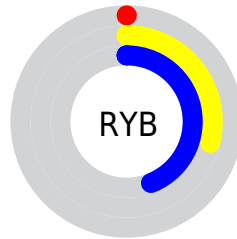
Distribution



Red (0%)

Green (44%)

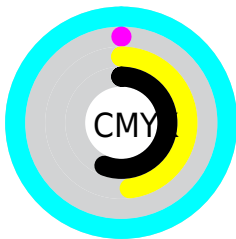
Blue (23%)



Red (0%)

Yellow (29%)

Blue (44%)

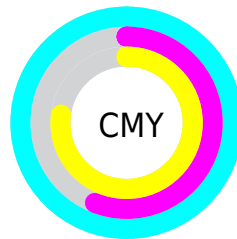


Cyan (100%)

Magenta (0%)

Yellow (48%)

Black (56%)



Cyan (100%)

Magenta (56%)

Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6744, 0.2682, 0.4856 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 11.6744, 0.2682, 0.4856 by changing the saturation by 10% instead.


 11.6744, 0.2682,
0.4856

 11.6744, 0.2682,
0.4856


202.2377, 0.2988,
0.3834


 6.5224, 0.2548,
0.5255


 28.9007, 0.2826,
0.4398


 3.1652, 0.2313,
0.5902

 41.7437, 0.2869,
0.4256


 1.2186, 0.1016,
0.8984

 57.9193, 0.2901,
0.4146

 0.0768, 0.0000,
1.0000


 77.8116, 0.2926,
0.4058


 0.0000, 0.0000,
0.0000

 101.8053, 0.2946,
0.3986


 130.2846, 0.2963,

0.3927

 163.6339, 0.2977,
0.3877


 11.6744, 0.2682,
0.4856

 11.6744, 0.2682,
0.4856

 11.6753, 0.2682,
0.4856

 11.8039, 0.2670,
0.4683

 11.9674, 0.2667,
0.4507

 12.1912, 0.2682,
0.4329

 12.4817, 0.2715,
0.4152

 12.8443, 0.2762,
0.3982

■ 13.2839, 0.2821,
0.3820

■ 13.8050, 0.2890,
0.3669

■ 14.4117, 0.2966,
0.3530

■ 15.1079, 0.3045,
0.3404

Harmonies

Analogous

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



11.6744, 0.3610, 0.5182



11.6744, 0.2682, 0.4856



11.6744, 0.1927, 0.3792

Triad

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



11.6744, 0.2682, 0.4856



11.6744, 0.1776, 0.1842



11.6744, 0.5033, 0.3386

Complementary

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



11.6744, 0.2682, 0.4856



3.6366, 0.4956, 0.2504

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.



11.6744, 0.4376, 0.2744



11.6744, 0.2682, 0.4856



11.6744, 0.2395, 0.1902

Square

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



11.6744, 0.2682, 0.4856



11.6744, 0.1494, 0.2086



11.6744, 0.3340, 0.2219



11.6744, 0.5023, 0.4081

Rectangle

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



11.6744, 0.2682, 0.4856



11.6744, 0.1621, 0.3042



11.6744, 0.3340, 0.2219



11.6744, 0.4883, 0.3164

Sweetspot

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



11.6753, 0.2682, 0.4856



24.6367, 0.2884, 0.3681



12.1443, 0.3375, 0.5702



5.8426, 0.2861, 0.3730



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.



11.6753, 0.2682, 0.4856



20.8793, 0.2694, 0.4899



12.1178, 0.2233, 0.3239



3.7896, 0.3053, 0.3392



13.7518, 0.2686, 0.4869



68.3284, 0.2711, 0.4960

Inverse Universe

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



3.6366, 0.4956, 0.2504



6.4860, 0.5014, 0.2536



3.4199, 0.6379, 0.3317



3.4256, 0.3208, 0.3190



4.2798, 0.4974, 0.2514



21.1474, 0.5096, 0.2581

Previews

White Background



This preview shows how the Yxy color 11.6744, 0.2682, 0.4856 looks on a white background.

Color Contrast Check

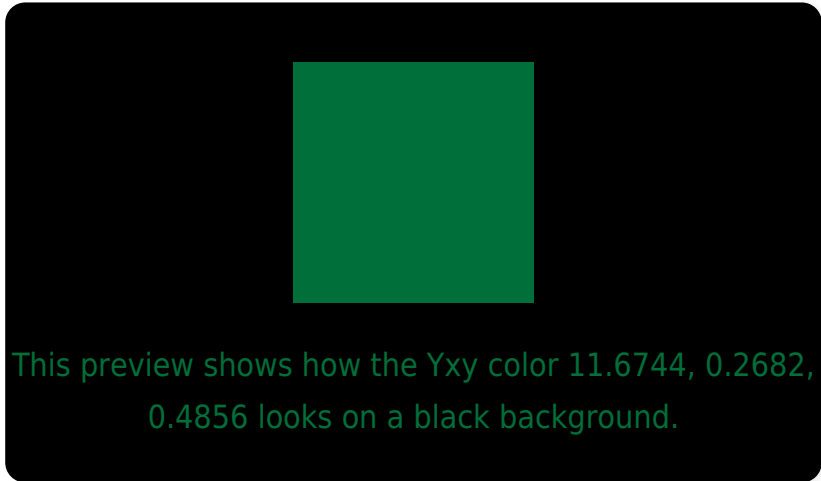
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 11.6744, 0.2682, 0.4856

Background



This preview shows how black text looks on a background with the Yxy color 11.6744, 0.2682, 0.4856.



This preview shows how white text looks on a background with the Yxy color 11.6744, 0.2682, 0.4856.

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

11.6744, 0.2682, 0.4856

Protanopia

11.6260, 0.3898, 0.4254

Deuteranopia

11.6580, 0.3960, 0.3914



Tritanopia

11.7876, 0.2353, 0.3086

Trichromacy



Original Color

11.6744, 0.2682, 0.4856



Protanomaly

10.7765, 0.3228, 0.4542



Deuteranomaly

10.6771, 0.3249, 0.4309



Tritanomaly

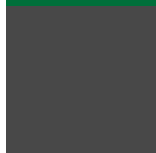
11.5387, 0.2447, 0.3674

Monochromacy



Original Color

11.6744, 0.2682, 0.4856



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

7.6417, 0.2789, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6744, 0.2682, 0.4856 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 111, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 111, 58) }
```

Border

The CSS property to change the border of an element to Yxy 11.6744, 0.2682, 0.4856 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, 58) }
```

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

```
.border{ border-color:rgb(0, 111, 58) }
```

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, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 111, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 111, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 111, 58)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6744, 0.2682, 0.4856 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, 58) }
```

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

```
.background{ background-color: rgb(0, 111,  
58) }
```

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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