

Converting Colors

$Y_{xy}(9.9869, 0.1818, 0.4323)$

Have a look what the booklet for
Yxy(9.9869, 0.1818, 0.4323)
contains.

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Color

Yxy(11.2752, 0.2492, 0.4170)

Conversions

Conversions Part 1

Format	Color
Hex	006C4E
RGB	0, 108, 78
RGB Percent	0%, 42%, 31%
CMY	0.9996, 0.5765, 0.6942
CMYK	1.00, 0.00, 0.28, 0.58
HSL	163°, 100%, 21%
HSV	163°, 100%, 42%
XYZ	6.7381, 11.2752, 9.0256
YIQ	72.2880, -54.7380, -32.2260

Conversions

Conversions Part 2

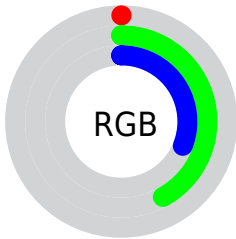
Format	Color
RYB	0, 63, 108
Decimal	27726
CIELab	40.04, -34.62, 9.42
CIELCh	40, 35.875, 164.781
Yxy	11.2752, 0.2492, 0.4170
Android (android.graphics.Color)	4278217806 (0xFF006C4E)
YUV	72.2880, 2.8160, -63.3966
Hunter-Lab	33.5786, -22.9436, 7.5685

Details

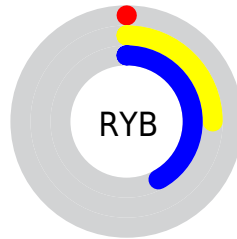
The Yxy color **11.2752, 0.2492, 0.4170** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.2847, 0.5714, 0.2923**, and the grayscale version is **6.5398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0516, 0.2663, 0.3917**, and **3.2434, 0.2596, 0.4544** is the 20% darker color. If you saturate the color by 10%, you get **11.2746, 0.2492, 0.4171**, and if you desaturate by 10%, it is **11.3895, 0.2496, 0.4070**.

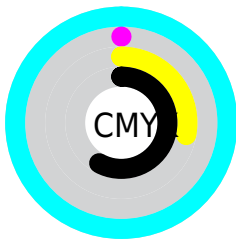
Distribution



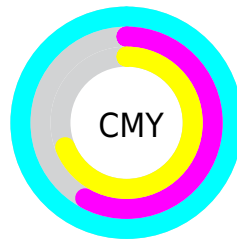
- Red (0%)
- Green (42%)
- Blue (31%)



- Red (0%)
- Yellow (25%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (58%)




- Cyan (100%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2752, 0.2492, 0.4170 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 11.2752, 0.2492, 0.4170 by changing the saturation by 10% instead.


 11.2752, 0.2492,
0.4170


 11.2752, 0.2492,
0.4170


 199.5460, 0.2892,
0.3606


 6.2523, 0.2345,
0.4385


 28.1679, 0.2666,
0.3921


 2.9991, 0.2113,
0.4737

 40.8065, 0.2722,
0.3842


 1.1312, 0.1116,
0.5971

 56.7525, 0.2765,
0.3781

 0.0044, 0.0000,
1.0000

 76.3901, 0.2801,
0.3732


 0.0000, 0.0000,
0.0000


 100.1039, 0.2830,
0.3692


 128.2782, 0.2854,


0.3658


 161.2974, 0.2875,
0.3630

 11.2752, 0.2492,
0.4170


 11.2752, 0.2492,
0.4170


 11.2746, 0.2492,
0.4171

 11.3895, 0.2496,
0.4070

 11.5323, 0.2509,
0.3970

 11.7284, 0.2540,
0.3871

 11.9835, 0.2588,
0.3774

 12.3026, 0.2652,
0.3680

■ 12.6903, 0.2729,
0.3590

■ 13.1506, 0.2818,
0.3506

■ 13.6871, 0.2916,
0.3427

■ 14.3035, 0.3020,
0.3355

Harmonies

Analogous

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



11.2752, 0.3223, 0.4723



11.2752, 0.2492, 0.4170



11.2752, 0.1973, 0.3305

Triad

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



11.2752, 0.2492, 0.4170



11.2752, 0.2216, 0.2085



11.2752, 0.4716, 0.3673

Complementary

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



11.2752, 0.2492, 0.4170



3.2847, 0.5714, 0.2923

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.



11.2752, 0.4402, 0.3097



11.2752, 0.2492, 0.4170



11.2752, 0.2861, 0.2233

Square

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



11.2752, 0.2492, 0.4170



11.2752, 0.1845, 0.2187



11.2752, 0.3680, 0.2591



11.2752, 0.4529, 0.4248

Rectangle

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



11.2752, 0.2492, 0.4170



11.2752, 0.1797, 0.2793



11.2752, 0.3680, 0.2591



11.2752, 0.4668, 0.3478

Sweetspot

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



11.2756, 0.2492, 0.4170



23.0086, 0.2810, 0.3513



11.0116, 0.3157, 0.5874



5.5043, 0.2781, 0.3540



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.2756, 0.2492, 0.4170



19.7735, 0.2499, 0.4197



7.5210, 0.2060, 0.2614



3.4782, 0.3030, 0.3349



13.4432, 0.2494, 0.4180



68.3462, 0.2510, 0.4236

Inverse Universe

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



3.2847, 0.5714, 0.2923



5.7438, 0.5784, 0.2960



3.8204, 0.6065, 0.3564



3.1293, 0.3234, 0.3232



3.9105, 0.5740, 0.2936



19.7951, 0.5880, 0.3013

Previews

White Background



This preview shows how the Yxy color 11.2752, 0.2492, 0.4170 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 11.2752, 0.2492, 0.4170 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 11.2752, 0.2492, 0.4170

Background



This preview shows how black text looks on a background with the Yxy color 11.2752, 0.2492, 0.4170.



This preview shows how white text looks on a background with the Yxy color 11.2752, 0.2492, 0.4170.

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

11.2752, 0.2492, 0.4170

Protanopia

11.2400, 0.3570, 0.3807

Deuteranopia

11.2795, 0.3546, 0.3494



Tritanopia

11.4455, 0.2317, 0.3082

Trichromacy



Original Color

11.2752, 0.2492, 0.4170

Protanomaly

10.5081, 0.2957, 0.3978

Deuteranomaly

10.4087, 0.2935, 0.3720

Tritanomaly

11.2054, 0.2355, 0.3424

Monochromacy



Original Color

11.2752, 0.2492, 0.4170

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.5723, 0.2694, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2752, 0.2492, 0.4170 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, 108, 78)` looks like.

```
.text, #text, p{  
    color:rgb(0, 108, 78)  
}
```

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, 108, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 108, 78) }
```

Border

The CSS property to change the border of an element to Yxy 11.2752, 0.2492, 0.4170 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, 108, 78) }
```

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

```
.border{ border-color:rgb(0, 108, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 108, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 108, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 108, 78);  
box-shadow:4px 4px 4px 4px rgb(0, 108, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.2752, 0.2492, 0.4170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 108, 78) }
```

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

```
.background{ background-color: rgb(0, 108,  
78) }
```

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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