

Converting Colors

$Y_{xy}(13.0067, 0.2562, 0.4422)$

Have a look what the booklet for
Yxy(13.0067, 0.2562, 0.4422)
contains.

Yxy(13.0126, 0.2558, 0.4409)	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(13.0126, 0.2558, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	00744C
RGB	0, 116, 76
RGB Percent	0%, 45%, 30%
CMY	1.0000, 0.5451, 0.7020
CMYK	1.00, 0.00, 0.34, 0.55
HSL	159°, 100%, 23%
HSV	159°, 100%, 45%
XYZ	7.5496, 13.0126, 8.9515
YIQ	76.7560, -56.2960, -37.0320

Conversions

Conversions Part 2

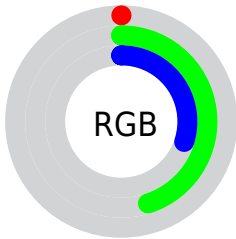
Format	Color
RYB	0, 70, 116
Decimal	29772
CIELab	42.78, -38.44, 14.38
CIELCh	43, 41.044, 159.485
Yxy	13.0126, 0.2558, 0.4409
Android (android.graphics.Color)	4278219852 (0xFF00744C)
YUV	76.7560, -0.3727, -67.3150
Hunter-Lab	36.0730, -25.7700, 10.5383

Details

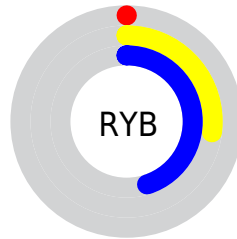
The Yxy color **13.0126, 0.2558, 0.4409** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8664, 0.5495, 0.2800**, and the grayscale version is **7.3827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3525, 0.2718, 0.4098**, and **4.0007, 0.2683, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **13.0133, 0.2558, 0.4409**, and if you desaturate by 10%, it is **13.1460, 0.2554, 0.4282**.

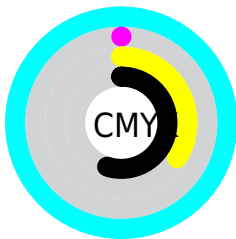
Distribution



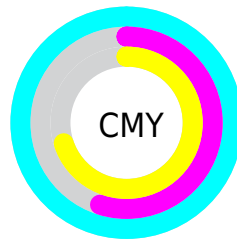
- Red (0%)
- Green (45%)
- Blue (30%)



- Red (0%)
- Yellow (27%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0126, 0.2558, 0.4409 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 13.0126, 0.2558, 0.4409 by changing the saturation by 10% instead.


 13.0126, 0.2558,
0.4409


 13.0126, 0.2558,
0.4409


210.9984, 0.2919,
0.3696


 7.4372, 0.2425,
0.4675


 31.3264, 0.2715,
0.4097


 3.7370, 0.2214,
0.5101

 44.8336, 0.2766,
0.3997

 1.5276, 0.1647,
0.6186

 61.7536, 0.2805,
0.3920

 0.3080, 0.0000,
1.0000

 82.4707, 0.2837,
0.3857


 0.0000, 0.0000,
0.0000

 107.3694, 0.2863,
0.3806


 136.8339, 0.2884,


0.3764


 171.2488, 0.2903,
0.3727


 13.0126, 0.2558,
0.4409


 13.0126, 0.2558,
0.4409


 13.0133, 0.2558,
0.4409

 13.1460, 0.2554,
0.4282

 13.3161, 0.2560,
0.4155

 13.5500, 0.2585,
0.4029

 13.8544, 0.2627,
0.3904

 14.2356, 0.2685,
0.3784

■ 14.6990, 0.2757,
0.3670

■ 15.2493, 0.2840,
0.3563

■ 15.8911, 0.2931,
0.3463

■ 16.6286, 0.3027,
0.3372

Harmonies

Analogous

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



13.0126, 0.3363, 0.4903



13.0126, 0.2558, 0.4409



13.0126, 0.1954, 0.3466

Triad

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



13.0126, 0.2558, 0.4409



13.0126, 0.2052, 0.1995



13.0126, 0.4835, 0.3573

Complementary

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



13.0126, 0.2558, 0.4409



3.8664, 0.5495, 0.2800

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.



13.0126, 0.4403, 0.2969



13.0126, 0.2558, 0.4409



13.0126, 0.2692, 0.2111

Square

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



13.0126, 0.2558, 0.4409



13.0126, 0.1714, 0.2148



13.0126, 0.3565, 0.2455



13.0126, 0.4709, 0.4198

Rectangle

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



13.0126, 0.2558, 0.4409



13.0126, 0.1731, 0.2873



13.0126, 0.3565, 0.2455



13.0126, 0.4753, 0.3366

Sweetspot

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



13.0133, 0.2558, 0.4409



26.7250, 0.2833, 0.3570



12.9547, 0.3215, 0.5829



6.2953, 0.2805, 0.3606



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



13.0133, 0.2558, 0.4409



22.8493, 0.2567, 0.4439



10.1096, 0.2119, 0.2827



4.1348, 0.3037, 0.3364



14.5996, 0.2560, 0.4416



70.9796, 0.2578, 0.4482

Inverse Universe

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



3.8664, 0.5495, 0.2800



6.7736, 0.5557, 0.2835



4.1266, 0.6205, 0.3456



3.7198, 0.3227, 0.3217



4.3355, 0.5509, 0.2808



20.9802, 0.5644, 0.2883

Previews

White Background



This preview shows how the Yxy color 13.0126, 0.2558, 0.4409 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 13.0126, 0.2558, 0.4409 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 13.0126, 0.2558, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 13.0126, 0.2558, 0.4409.



This preview shows how white text looks on a background with the Yxy color 13.0126, 0.2558, 0.4409.

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

13.0126, 0.2558, 0.4409

Protanopia

12.9882, 0.3700, 0.3993

Deuteranopia

12.9801, 0.3709, 0.3649



Tritanopia

13.1761, 0.2319, 0.3070

Trichromacy



Original Color

13.0126, 0.2558, 0.4409

Protanomaly

12.0412, 0.3047, 0.4179

Deuteranomaly

11.9610, 0.3043, 0.3929

Tritanomaly

13.0164, 0.2382, 0.3521

Monochromacy



Original Color

13.0126, 0.2558, 0.4409

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.6710, 0.2715, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0126, 0.2558, 0.4409 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, 116, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 76)  
}
```

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, 116, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 76) }
```

Border

The CSS property to change the border of an element to Yxy 13.0126, 0.2558, 0.4409 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, 116, 76) }
```

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

```
.border{ border-color:rgb(0, 116, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 76)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0126, 0.2558, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 76) }
```

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

```
.background{ background-color: rgb(0, 116,  
76) }
```

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