

Converting Colors

$Y_{xy}(11.5661, 0.1487, 0.4182)$

Have a look what the booklet for
Yxy(11.5661, 0.1487, 0.4182)
contains.

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Color

Yxy(13.7122, 0.2448, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	00765B
RGB	0, 118, 91
RGB Percent	0%, 46%, 36%
CMY	0.9992, 0.5373, 0.6431
CMYK	1.00, 0.00, 0.23, 0.54
HSL	166°, 100%, 23%
HSV	166°, 100%, 46%
XYZ	8.3689, 13.7122, 12.1054
YIQ	79.6400, -61.6610, -33.4130

Conversions

Conversions Part 2

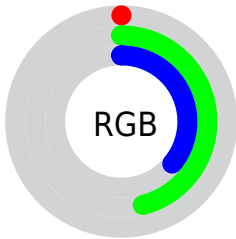
Format	Color
RYB	0, 67, 118
Decimal	30299
CIELab	43.82, -35.39, 6.96
CIELCh	44, 36.072, 168.869
Yxy	13.7122, 0.2448, 0.4011
Android (android.graphics.Color)	4278220379 (0xFF00765B)
YUV	79.6400, 5.6005, -69.8443
Hunter-Lab	37.0300, -24.4611, 6.5386

Details

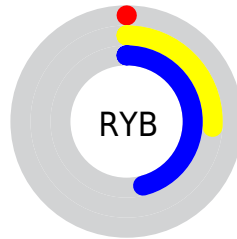
The Yxy color **13.7122, 0.2448, 0.4011** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9355, 0.5897, 0.3025**, and the grayscale version is **7.9582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5854, 0.2622, 0.3822**, and **4.3237, 0.2529, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **13.7107, 0.2448, 0.4012**, and if you desaturate by 10%, it is **13.8371, 0.2453, 0.3930**.

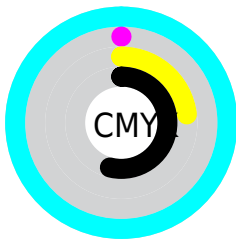
Distribution



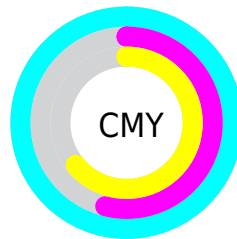
- Red (0%)
- Green (46%)
- Blue (36%)



- Red (0%)
- Yellow (26%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7122, 0.2448, 0.4011 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 13.7122, 0.2448, 0.4011 by changing the saturation by 10% instead.


 13.7122, 0.2448,
0.4011


 13.7122, 0.2448,
0.4011


215.4330, 0.2861,
0.3564


 7.9208, 0.2308,
0.4169


 32.5775, 0.2621,
0.3820


 4.0443, 0.2098,
0.4414

 46.4201, 0.2679,
0.3758


 1.6984, 0.1694,
0.4876

 63.7153, 0.2724,
0.3708

 0.4226, 0.0000,
1.0000

 84.8474, 0.2762,
0.3669


 0.0000, 0.0000,
0.0000

 110.2009, 0.2793,
0.3636


 140.1600, 0.2819,

0.3608


 175.1092, 0.2841,
0.3584


 13.7122, 0.2448,
0.4011


 13.7122, 0.2448,
0.4011


 13.7107, 0.2448,
0.4012

 13.8371, 0.2453,
0.3930

 13.9999, 0.2469,
0.3849

 14.2269, 0.2503,
0.3768

 14.5255, 0.2554,
0.3688

 14.9019, 0.2622,
0.3611

■ 15.3617, 0.2704,
0.3538

■ 15.9098, 0.2798,
0.3468

■ 16.5511, 0.2902,
0.3403

■ 17.2898, 0.3013,
0.3344

Harmonies

Analogous

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



13.7122, 0.3125, 0.4592



13.7122, 0.2448, 0.4011



13.7122, 0.1988, 0.3203

Triad

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



13.7122, 0.2448, 0.4011



13.7122, 0.2333, 0.2149



13.7122, 0.4631, 0.3741

Complementary

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



13.7122, 0.2448, 0.4011



3.9355, 0.5897, 0.3025

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.



13.7122, 0.4396, 0.3185



13.7122, 0.2448, 0.4011



13.7122, 0.2978, 0.2320

Square

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



13.7122, 0.2448, 0.4011



13.7122, 0.1940, 0.2215



13.7122, 0.3756, 0.2686



13.7122, 0.4403, 0.4277

Rectangle

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



13.7122, 0.2448, 0.4011



13.7122, 0.1844, 0.2742



13.7122, 0.3756, 0.2686



13.7122, 0.4606, 0.3554

Sweetspot

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



13.7127, 0.2448, 0.4011



27.8821, 0.2789, 0.3474



13.1988, 0.3111, 0.5909



6.3346, 0.2757, 0.3497



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.



13.7127, 0.2448, 0.4011



24.0893, 0.2453, 0.4032



8.0582, 0.2011, 0.2438



4.1416, 0.3023, 0.3339



14.8322, 0.2449, 0.4015



72.1439, 0.2461, 0.4059

Inverse Universe

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



3.9355, 0.5897, 0.3025



6.8939, 0.5960, 0.3057



4.8638, 0.5969, 0.3639



3.7133, 0.3243, 0.3242



4.2509, 0.5912, 0.3030



20.6034, 0.6035, 0.3098

Previews

White Background



This preview shows how the Yxy color 13.7122, 0.2448, 0.4011 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 13.7122, 0.2448, 0.4011 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 13.7122, 0.2448, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 13.7122, 0.2448, 0.4011.



This preview shows how white text looks on a background with the Yxy color 13.7122, 0.2448, 0.4011.

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

13.7122, 0.2448, 0.4011

Protanopia

13.6556, 0.3493, 0.3703

Deuteranopia

13.6536, 0.3438, 0.3395



Tritanopia

13.8580, 0.2297, 0.3074

Trichromacy



Original Color

13.7122, 0.2448, 0.4011

Protanomaly

12.7153, 0.2886, 0.3820

Deuteranomaly

12.7794, 0.2853, 0.3609

Tritanomaly

13.6034, 0.2335, 0.3388

Monochromacy



Original Color

13.7122, 0.2448, 0.4011

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.3493, 0.2665, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7122, 0.2448, 0.4011 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, 118, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 91)  
}
```

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, 118, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 91) }
```

Border

The CSS property to change the border of an element to Yxy 13.7122, 0.2448, 0.4011 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, 118, 91) }
```

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

```
.border{ border-color:rgb(0, 118, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7122, 0.2448, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 91) }
```

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

```
.background{ background-color: rgb(0, 118,  
91) }
```

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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