

Converting Colors

$Yxy(10.9037, 0.1149, 0.4575)$

Have a look what the booklet for
Yxy(10.9037, 0.1149, 0.4575)
contains.

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Color

Yxy(13.5814, 0.2512, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	007653
RGB	0, 118, 83
RGB Percent	0%, 46%, 33%
CMY	1.0000, 0.5372, 0.6745
CMYK	1.00, 0.00, 0.30, 0.54
HSL	162°, 100%, 23%
HSV	162°, 100%, 46%
XYZ	8.0388, 13.5814, 10.3813
YIQ	78.7280, -59.0930, -35.9010

Conversions

Conversions Part 2

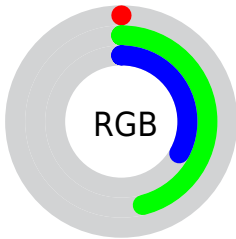
Format	Color
RYB	0, 69, 118
Decimal	30291
CIELab	43.63, -37.54, 11.44
CIELCh	44, 39.239, 163.055
Yxy	13.5814, 0.2512, 0.4244
Android (android.graphics.Color)	4278220371 (0xFF007653)
YUV	78.7280, 2.1061, -69.0445
Hunter-Lab	36.8530, -25.5564, 9.0954

Details

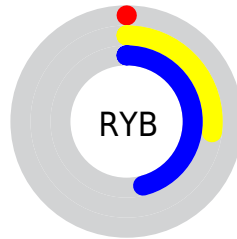
The Yxy color **13.5814, 0.2512, 0.4244** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.9733, 0.5677, 0.2901**, and the grayscale version is **7.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3558, 0.2675, 0.3974**, and **4.2742, 0.2621, 0.4635** is the 20% darker color. If you saturate the color by 10%, you get **13.5826, 0.2512, 0.4244**, and if you desaturate by 10%, it is **13.7148, 0.2511, 0.4136**.

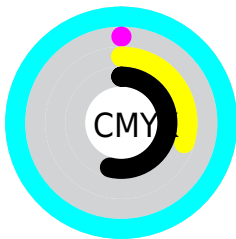
Distribution



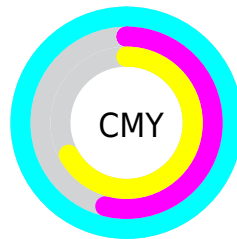
- Red (0%)
- Green (46%)
- Blue (33%)



- Red (0%)
- Yellow (27%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5814, 0.2512, 0.4244 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 13.5814, 0.2512, 0.4244 by changing the saturation by 10% instead.


 13.5814, 0.2512,
0.4244


 13.5814, 0.2512,
0.4244


214.6109, 0.2893,
0.3644


 7.8301, 0.2378,
0.4463


 32.3444, 0.2675,
0.3984


 3.9864, 0.2171,
0.4808

 46.1249, 0.2728,
0.3900

 1.6660, 0.1710,
0.5505

 63.3506, 0.2770,
0.3835

 0.4015, 0.0000,
1.0000


 84.4059, 0.2804,
0.3782


 0.0000, 0.0000,
0.0000


 109.6752, 0.2832,
0.3738

 139.5429, 0.2856,

0.3702


 174.3933, 0.2876,
0.3671


 13.5814, 0.2512,
0.4244


 13.5814, 0.2512,
0.4244

 13.5826, 0.2512,
0.4244

 13.7148, 0.2511,
0.4136

 13.8856, 0.2521,
0.4028

 14.1217, 0.2550,
0.3920

 14.4303, 0.2596,
0.3815

 14.8178, 0.2658,
0.3713

■ 15.2897, 0.2734,
0.3615

■ 15.8512, 0.2821,
0.3524

■ 16.5069, 0.2918,
0.3439

■ 17.2612, 0.3021,
0.3361

Harmonies

Analogous

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



13.5814, 0.3267, 0.4781



13.5814, 0.2512, 0.4244



13.5814, 0.1966, 0.3354

Triad

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



13.5814, 0.2512, 0.4244



13.5814, 0.2164, 0.2056



13.5814, 0.4754, 0.3642

Complementary

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



13.5814, 0.2512, 0.4244



3.9733, 0.5677, 0.2901

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.



13.5814, 0.4404, 0.3057



13.5814, 0.2512, 0.4244



13.5814, 0.2808, 0.2194

Square

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



13.5814, 0.2512, 0.4244



13.5814, 0.1803, 0.2174



13.5814, 0.3645, 0.2548



13.5814, 0.4586, 0.4234

Rectangle

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



13.5814, 0.2512, 0.4244



13.5814, 0.1775, 0.2816



13.5814, 0.3645, 0.2548



13.5814, 0.4696, 0.3443

Sweetspot

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



13.5826, 0.2512, 0.4244



27.7898, 0.2815, 0.3530



13.3224, 0.3165, 0.5869



6.3114, 0.2785, 0.3560



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.



13.5826, 0.2512, 0.4244



23.8570, 0.2519, 0.4270



9.3856, 0.2073, 0.2662



4.1377, 0.3031, 0.3354



14.6909, 0.2513, 0.4248



71.4346, 0.2529, 0.4305

Inverse Universe

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



3.9733, 0.5677, 0.2901



6.9647, 0.5738, 0.2935



4.4888, 0.6117, 0.3525



3.7171, 0.3234, 0.3227



4.2961, 0.5687, 0.2906



20.8017, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 13.5814, 0.2512, 0.4244 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 13.5814, 0.2512, 0.4244 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 13.5814, 0.2512, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 13.5814, 0.2512, 0.4244.



This preview shows how white text looks on a background with the Yxy color 13.5814, 0.2512, 0.4244.

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

13.5814, 0.2512, 0.4244

Protanopia

13.5373, 0.3605, 0.3878

Deuteranopia

13.4634, 0.3592, 0.3542



Tritanopia

13.6665, 0.2315, 0.3073

Trichromacy



Original Color

13.5814, 0.2512, 0.4244

Protanomaly

12.5917, 0.2978, 0.4032

Deuteranomaly

12.4758, 0.2958, 0.3791

Tritanomaly

13.5509, 0.2362, 0.3465

Monochromacy



Original Color

13.5814, 0.2512, 0.4244

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.0860, 0.2698, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5814, 0.2512, 0.4244 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 83) }
```

Border

The CSS property to change the border of an element to Yxy 13.5814, 0.2512, 0.4244 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, 83) }
```

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

```
.border{ border-color:rgb(0, 118, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5814, 0.2512, 0.4244 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, 83) }
```

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

```
.background{ background-color: rgb(0, 118,  
83) }
```

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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