

Converting Colors

$Y_{xy}(12.7842, 0.1965, 0.4828)$

Have a look what the booklet for
Yxy(12.7842, 0.1965, 0.4828)
contains.

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Color

$\text{Yxy}(14.4001, 0.2615, 0.4613)$

Conversions

Conversions Part 1

Format	Color
Hex	007A49
RGB	0, 122, 73
RGB Percent	0%, 48%, 29%
CMY	0.9996, 0.5216, 0.7137
CMYK	1.00, 0.00, 0.40, 0.52
HSL	156°, 100%, 24%
HSV	156°, 100%, 48%
XYZ	8.1631, 14.4001, 8.6532
YIQ	79.9360, -56.9830, -41.1030

Conversions

Conversions Part 2

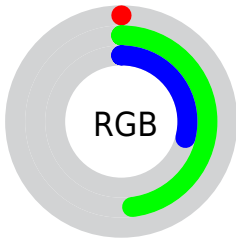
Format	Color
RYB	0, 76, 122
Decimal	31305
CIELab	44.80, -41.47, 18.84
CIELCh	45, 45.553, 155.566
Yxy	14.4001, 0.2615, 0.4613
Android (android.graphics.Color)	4278221385 (0xFF007A49)
YUV	79.9360, -3.4194, -70.1039
Hunter-Lab	37.9475, -28.0100, 13.0433

Details

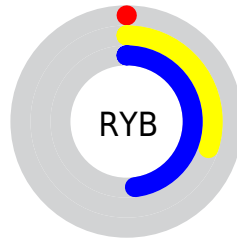
The Yxy color **14.4001, 0.2615, 0.4613** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3622, 0.5282, 0.2684**, and the grayscale version is **8.0301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6429, 0.2762, 0.4243**, and **4.7186, 0.2770, 0.5173** is the 20% darker color. If you saturate the color by 10%, you get **14.3995, 0.2615, 0.4614**, and if you desaturate by 10%, it is **14.5480, 0.2605, 0.4464**.

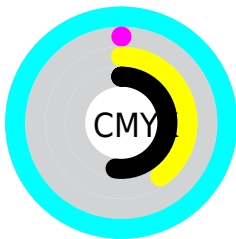
Distribution



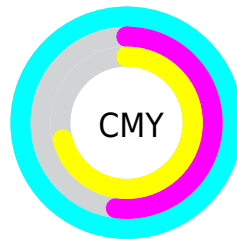
- Red (0%)
- Green (48%)
- Blue (29%)



- Red (0%)
- Yellow (30%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4001, 0.2615, 0.4613 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 14.4001, 0.2615, 0.4613 by changing the saturation by 10% instead.


 14.4001, 0.2615,
0.4613


 14.4001, 0.2615,
0.4613


219.7059, 0.2944,
0.3775


 8.3995, 0.2490,
0.4920


 33.7973, 0.2760,
0.4248


 4.3516, 0.2291,
0.5401

 47.9626, 0.2806,
0.4132

 1.8721, 0.1890,
0.6492


 65.6183, 0.2842,
0.4040

 0.5315, 0.0000,
1.0000


 87.1487, 0.2871,
0.3966


 0.0000, 0.0000,
0.0000


 112.9383, 0.2894,
0.3906


 143.3714, 0.2914,

0.3855

 178.8325, 0.2930,
0.3812


 14.4001, 0.2615,
0.4613


 14.4001, 0.2615,
0.4613


 14.3995, 0.2615,
0.4614

 14.5480, 0.2605,
0.4464

 14.7409, 0.2606,
0.4315

 15.0065, 0.2625,
0.4164

 15.3529, 0.2663,
0.4016

 15.7870, 0.2716,
0.3873

■ 16.3148, 0.2783,
0.3737

■ 16.9420, 0.2860,
0.3610

■ 17.6738, 0.2945,
0.3493

■ 18.5149, 0.3035,
0.3386

Harmonies

Analogous

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



14.4001, 0.3479, 0.5039



14.4001, 0.2615, 0.4613



14.4001, 0.1941, 0.3610

Triad

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



14.4001, 0.2615, 0.4613



14.4001, 0.1922, 0.1923



14.4001, 0.4929, 0.3487

Complementary

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



14.4001, 0.2615, 0.4613



4.3622, 0.5282, 0.2684

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.



14.4001, 0.4394, 0.2865



14.4001, 0.2615, 0.4613



14.4001, 0.2554, 0.2013

Square

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



14.4001, 0.2615, 0.4613



14.4001, 0.1610, 0.2119



14.4001, 0.3463, 0.2345



14.4001, 0.4855, 0.4148

Rectangle

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



14.4001, 0.2615, 0.4613



14.4001, 0.1679, 0.2947



14.4001, 0.3463, 0.2345



14.4001, 0.4816, 0.3273

Sweetspot

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



14.4007, 0.2615, 0.4613



29.7112, 0.2854, 0.3620



14.6201, 0.3285, 0.5773



6.7051, 0.2827, 0.3662



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.4007, 0.2615, 0.4613



25.3060, 0.2624, 0.4648



12.9590, 0.2177, 0.3037



4.4864, 0.3043, 0.3377



15.1589, 0.2616, 0.4618



72.1377, 0.2637, 0.4692

Inverse Universe

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



4.3622, 0.5282, 0.2684



7.6442, 0.5342, 0.2716



4.3604, 0.6302, 0.3377



4.0393, 0.3220, 0.3204



4.5884, 0.5290, 0.2688



21.7283, 0.5417, 0.2758

Previews

White Background



This preview shows how the Yxy color 14.4001, 0.2615, 0.4613 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 14.4001, 0.2615, 0.4613 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 14.4001, 0.2615, 0.4613

Background



This preview shows how black text looks on a background with the Yxy color 14.4001, 0.2615, 0.4613.



This preview shows how white text looks on a background with the Yxy color 14.4001, 0.2615, 0.4613.

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

14.4001, 0.2615, 0.4613

Protanopia

14.3582, 0.3784, 0.4105

Deuteranopia

14.2174, 0.3823, 0.3752



Tritanopia

14.5069, 0.2332, 0.3079

Trichromacy



Original Color

14.4001, 0.2615, 0.4613

Protanomaly

13.4345, 0.3125, 0.4367

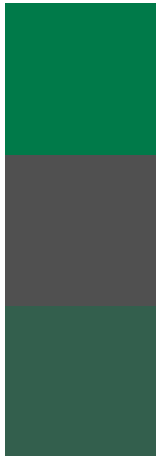
Deuteranomaly

13.1646, 0.3141, 0.4102

Tritanomaly

14.2444, 0.2409, 0.3589

Monochromacy



Original Color

14.4001, 0.2615, 0.4613

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.4240, 0.2751, 0.3815

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4001, 0.2615, 0.4613 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, 122, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 73)  
}
```

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, 122, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 73) }
```

Border

The CSS property to change the border of an element to Yxy 14.4001, 0.2615, 0.4613 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, 122, 73) }
```

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

```
.border{ border-color:rgb(0, 122, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 73)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4001, 0.2615, 0.4613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 73) }
```

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

```
.background{ background-color: rgb(0, 122,  
73) }
```

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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