

Converting Colors

$Yxy(13.9146, 0.2237, 0.4848)$

Have a look what the booklet for
Yxy(13.9146, 0.2237, 0.4848)
contains.

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Color

Yxy(14.8702, 0.2640, 0.4705)

Conversions

Conversions Part 1

Format	Color
Hex	007C47
RGB	0, 124, 71
RGB Percent	0%, 49%, 28%
CMY	1.0000, 0.5137, 0.7216
CMYK	1.00, 0.00, 0.43, 0.51
HSL	154°, 100%, 24%
HSV	154°, 100%, 49%
XYZ	8.3437, 14.8702, 8.3912
YIQ	80.8820, -56.8910, -42.7710

Conversions

Conversions Part 2

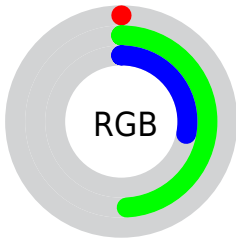
Format	Color
RYB	0, 79, 124
Decimal	31815
CIELab	45.46, -42.68, 20.85
CIELCh	45, 47.499, 153.965
Yxy	14.8702, 0.2640, 0.4705
Android (android.graphics.Color)	4278221895 (0xFF007C47)
YUV	80.8820, -4.8718, -70.9335
Hunter-Lab	38.5619, -28.8608, 14.0917

Details

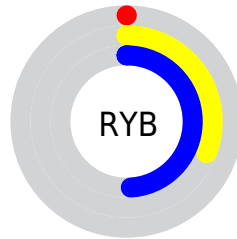
The Yxy color **14.8702, 0.2640, 0.4705** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.5426, 0.5185, 0.2630**, and the grayscale version is **8.2227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7746, 0.2781, 0.4323**, and **4.9721, 0.2802, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **14.8716, 0.2640, 0.4705**, and if you desaturate by 10%, it is **15.0237, 0.2627, 0.4547**.

Distribution



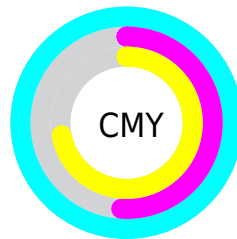
- Red (0%)
- Green (49%)
- Blue (28%)



- Red (0%)
- Yellow (31%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8702, 0.2640, 0.4705 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 14.8702, 0.2640, 0.4705 by changing the saturation by 10% instead.


 14.8702, 0.2640,
0.4705

 14.8702, 0.2640,
0.4705


 222.5792, 0.2957,
0.3811


 8.7283, 0.2518,
0.5030


 34.6253, 0.2781,
0.4317


 4.5644, 0.2321,
0.5537

 49.0074, 0.2825,
0.4192


 1.9940, 0.1959,
0.6682

 66.9049, 0.2860,
0.4094

 0.6040, 0.0000,
1.0000

 88.7024, 0.2887,
0.4015

 0.0000, 0.0000,
0.0000

 114.7841, 0.2909,
0.3950

 145.5346, 0.2928,

0.3896

181.3382, 0.2944,
0.3850

■ 14.8702, 0.2640,
0.4705

■ 14.8702, 0.2640,
0.4705

■ 14.8716, 0.2640,
0.4705

■ 15.0237, 0.2627,
0.4547

■ 15.2239, 0.2626,
0.4388

■ 15.5002, 0.2644,
0.4227

■ 15.8609, 0.2679,
0.4068

■ 16.3133, 0.2730,
0.3915

■ 16.8639, 0.2794,
0.3769

■ 17.5184, 0.2869,
0.3633

■ 18.2822, 0.2951,
0.3508

■ 19.1603, 0.3038,
0.3393

Harmonies

Analogous

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



14.8702, 0.3529, 0.5096



14.8702, 0.2640, 0.4705



14.8702, 0.1935, 0.3677

Triad

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



14.8702, 0.2640, 0.4705



14.8702, 0.1866, 0.1892



14.8702, 0.4969, 0.3449

Complementary

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



14.8702, 0.2640, 0.4705



4.5426, 0.5185, 0.2630

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.



14.8702, 0.4389, 0.2819



14.8702, 0.2640, 0.4705



14.8702, 0.2493, 0.1970

Square

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



14.8702, 0.2640, 0.4705



14.8702, 0.1565, 0.2106



14.8702, 0.3417, 0.2297



14.8702, 0.4920, 0.4124

Rectangle

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



14.8702, 0.2640, 0.4705



14.8702, 0.1657, 0.2981



14.8702, 0.3417, 0.2297



14.8702, 0.4843, 0.3232

Sweetspot

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



14.8716, 0.2640, 0.4705



30.7371, 0.2863, 0.3642



15.1936, 0.3304, 0.5759



7.1407, 0.2836, 0.3689



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.8716, 0.2640, 0.4705



26.1399, 0.2650, 0.4740



13.8859, 0.2191, 0.3088



4.4848, 0.3046, 0.3383



15.1165, 0.2641, 0.4706



71.9339, 0.2662, 0.4785

Inverse Universe

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



4.5426, 0.5185, 0.2630



7.9664, 0.5240, 0.2660



4.4649, 0.6324, 0.3360



4.0408, 0.3216, 0.3199



4.6171, 0.5187, 0.2631



21.8604, 0.5311, 0.2699

Previews

White Background



This preview shows how the Yxy color 14.8702, 0.2640, 0.4705 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 14.8702, 0.2640, 0.4705 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 14.8702, 0.2640, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 14.8702, 0.2640, 0.4705.



This preview shows how white text looks on a background with the Yxy color 14.8702, 0.2640, 0.4705.

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

14.8702, 0.2640, 0.4705

Protanopia

14.6790, 0.3833, 0.4153

Deuteranopia

14.8115, 0.3884, 0.3820



Tritanopia

14.8357, 0.2334, 0.3059

Trichromacy



Original Color

14.8702, 0.2640, 0.4705



Protanomaly

13.6713, 0.3158, 0.4432



Deuteranomaly

13.6126, 0.3175, 0.4190



Tritanomaly

14.7557, 0.2417, 0.3610

Monochromacy



Original Color

14.8702, 0.2640, 0.4705



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

9.8153, 0.2769, 0.3866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8702, 0.2640, 0.4705 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, 124, 71)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 71)  
}
```

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, 124, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 71) }
```

Border

The CSS property to change the border of an element to Yxy 14.8702, 0.2640, 0.4705 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, 124, 71) }
```

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

```
.border{ border-color:rgb(0, 124, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 71);  
box-shadow:4px 4px 4px 4px rgb(0, 124, 71)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8702, 0.2640, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 71) }
```

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

```
.background{ background-color: rgb(0, 124,  
71) }
```

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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