

Converting Colors

$Yxy(14.5889, 0.2566, 0.4436)$

Have a look what the booklet for
Yxy(14.5889, 0.2566, 0.4436)
contains.

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Color

Yxy(14.4836, 0.2567, 0.4442)

Conversions

Conversions Part 1

Format	Color
Hex	007A4F
RGB	0, 122, 79
RGB Percent	0%, 48%, 31%
CMY	1.0000, 0.5216, 0.6902
CMYK	1.00, 0.00, 0.35, 0.52
HSL	159°, 100%, 24%
HSV	159°, 100%, 48%
XYZ	8.3700, 14.4836, 9.7525
YIQ	80.6200, -58.9090, -39.2370

Conversions

Conversions Part 2

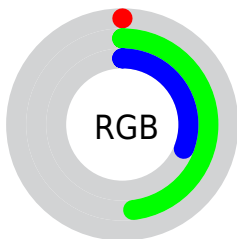
Format	Color
RYB	0, 74, 122
Decimal	31311
CIELab	44.92, -40.13, 15.55
CIELCh	45, 43.037, 158.822
Yxy	14.4836, 0.2567, 0.4442
Android (android.graphics.Color)	4278221391 (0xFF007A4F)
YUV	80.6200, -0.7987, -70.7037
Hunter-Lab	38.0573, -27.3427, 11.4466

Details

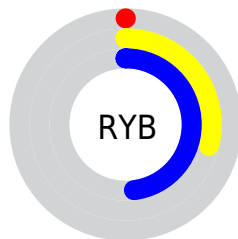
The Yxy color **14.4836, 0.2567, 0.4442** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.3123, 0.5479, 0.2792**, and the grayscale version is **8.1606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.7962, 0.2723, 0.4129**, and **4.7502, 0.2701, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **14.4848, 0.2567, 0.4442**, and if you desaturate by 10%, it is **14.6291, 0.2561, 0.4312**.

Distribution



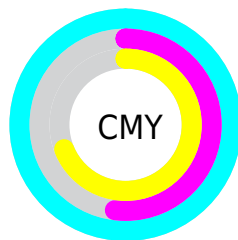
- Red (0%)
- Green (48%)
- Blue (31%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.4836, 0.2567, 0.4442 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 14.4836, 0.2567, 0.4442 by changing the saturation by 10% instead.


 14.4836, 0.2567,
0.4442

 14.4836, 0.2567,
0.4442


220.2189, 0.2919,
0.3717

 8.4578, 0.2440,
0.4705


 33.9447, 0.2719,
0.4128


 4.3892, 0.2242,
0.5118

 48.1487, 0.2768,
0.4027

 1.8936, 0.1847,
0.5927

 65.8476, 0.2806,
0.3948

 0.5445, 0.0000,
1.0000


 87.4258, 0.2838,
0.3884


 0.0000, 0.0000,
0.0000


 113.2676, 0.2863,
0.3831


 143.7575, 0.2885,


0.3787


 179.2798, 0.2903,
0.3749


 14.4836, 0.2567,
0.4442


 14.4836, 0.2567,
0.4442


 14.4848, 0.2567,
0.4442

 14.6291, 0.2561,
0.4312

 14.8174, 0.2566,
0.4181

 15.0773, 0.2589,
0.4051

 15.4166, 0.2630,
0.3923

 15.8423, 0.2688,
0.3799

■ 16.3605, 0.2759,
0.3681

■ 16.9768, 0.2841,
0.3570

■ 17.6963, 0.2932,
0.3468

■ 18.5237, 0.3028,
0.3375

Harmonies

Analogous

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



14.4836, 0.3382, 0.4926



14.4836, 0.2567, 0.4442



14.4836, 0.1951, 0.3488

Triad

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



14.4836, 0.2567, 0.4442



14.4836, 0.2030, 0.1983



14.4836, 0.4851, 0.3559

Complementary

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



14.4836, 0.2567, 0.4442



4.3123, 0.5479, 0.2792

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.



14.4836, 0.4402, 0.2952



14.4836, 0.2567, 0.4442



14.4836, 0.2670, 0.2094

Square

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



14.4836, 0.2567, 0.4442



14.4836, 0.1696, 0.2143



14.4836, 0.3549, 0.2437



14.4836, 0.4733, 0.4190

Rectangle

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



14.4836, 0.2567, 0.4442



14.4836, 0.1722, 0.2884



14.4836, 0.3549, 0.2437



14.4836, 0.4764, 0.3351

Sweetspot

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



14.4848, 0.2567, 0.4442



29.7805, 0.2835, 0.3578



14.4721, 0.3229, 0.5818



6.7224, 0.2806, 0.3615



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.



14.4848, 0.2567, 0.4442



25.4547, 0.2575, 0.4472



11.6593, 0.2133, 0.2878



4.4896, 0.3037, 0.3366



15.2474, 0.2568, 0.4445



72.5653, 0.2586, 0.4511

Inverse Universe

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



4.3123, 0.5479, 0.2792



7.5620, 0.5538, 0.2825



4.5165, 0.6238, 0.3429



4.0362, 0.3227, 0.3215



4.5383, 0.5485, 0.2795



21.5004, 0.5616, 0.2867

Previews

White Background



This preview shows how the Yxy color 14.4836, 0.2567, 0.4442 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 14.4836, 0.2567, 0.4442 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 14.4836, 0.2567, 0.4442

Background



This preview shows how black text looks on a background with the Yxy color 14.4836, 0.2567, 0.4442.



This preview shows how white text looks on a background with the Yxy color 14.4836, 0.2567, 0.4442.

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

14.4836, 0.2567, 0.4442

Protanopia

14.4208, 0.3718, 0.4003

Deuteranopia

14.4279, 0.3713, 0.3653



Tritanopia

14.5107, 0.2318, 0.3056

Trichromacy



Original Color

14.4836, 0.2567, 0.4442



Protanomaly

13.5128, 0.3059, 0.4213



Deuteranomaly

13.2087, 0.3057, 0.3953



Tritanomaly

14.2940, 0.2381, 0.3512

Monochromacy



Original Color

14.4836, 0.2567, 0.4442



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

9.6750, 0.2731, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.4836, 0.2567, 0.4442 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 79) }
```

Border

The CSS property to change the border of an element to Yxy 14.4836, 0.2567, 0.4442 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, 79) }
```

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

```
.border{ border-color:rgb(0, 122, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.4836, 0.2567, 0.4442 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, 79) }
```

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

```
.background{ background-color: rgb(0, 122,  
79) }
```

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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