

Converting Colors

$Y_{xy}(14.6361, 0.2541, 0.4347)$

Have a look what the booklet for
Yxy(14.6361, 0.2541, 0.4347)
contains.

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Color

Yxy(14.5436, 0.2536, 0.4328)

Conversions

Conversions Part 1

Format	Color
Hex	007A53
RGB	0, 122, 83
RGB Percent	0%, 48%, 33%
CMY	0.9993, 0.5216, 0.6746
CMYK	1.00, 0.00, 0.32, 0.52
HSL	161°, 100%, 24%
HSV	161°, 100%, 48%
XYZ	8.5219, 14.5436, 10.5381
YIQ	81.0760, -60.1930, -37.9930

Conversions

Conversions Part 2

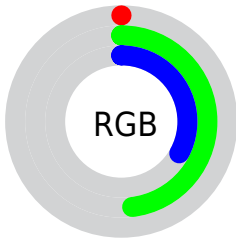
Format	Color
RYB	0, 73, 122
Decimal	31315
CIELab	45.00, -39.16, 13.35
CIElCh	45, 41.369, 161.171
Yxy	14.5436, 0.2536, 0.4328
Android (android.graphics.Color)	4278221395 (0xFF007A53)
YUV	81.0760, 0.9485, -71.1037
Hunter-Lab	38.1361, -26.8507, 10.3118

Details

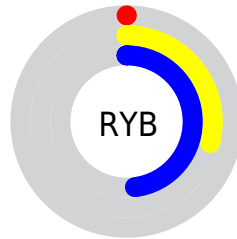
The Yxy color **14.5436, 0.2536, 0.4328** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2889, 0.5595, 0.2858**, and the grayscale version is **8.2614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9312, 0.2690, 0.4034**, and **4.7747, 0.2652, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **14.5422, 0.2536, 0.4330**, and if you desaturate by 10%, it is **14.6860, 0.2532, 0.4210**.

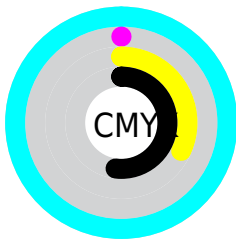
Distribution



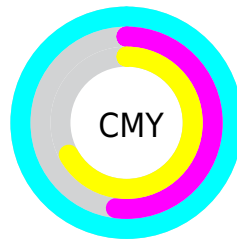
- Red (0%)
- Green (48%)
- Blue (33%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (52%)




- Cyan (100%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5436, 0.2536, 0.4328 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 14.5436, 0.2536, 0.4328 by changing the saturation by 10% instead.


 14.5436, 0.2536,
0.4328


 14.5436, 0.2536,
0.4328


220.5869, 0.2902,
0.3678


 8.4997, 0.2407,
0.4562


 34.0505, 0.2692,
0.4047


 4.4163, 0.2209,
0.4927

 48.2823, 0.2743,
0.3957

 1.9091, 0.1828,
0.5604

 66.0122, 0.2784,
0.3886

 0.5538, 0.0000,
1.0000

 87.6246, 0.2816,
0.3828


 0.0000, 0.0000,
0.0000

 113.5038, 0.2843,
0.3781


 144.0344, 0.2866,

0.3741


 179.6006, 0.2885,
0.3707

 14.5436, 0.2536,
0.4328

 14.5436, 0.2536,
0.4328

 14.5422, 0.2536,
0.4330

 14.6860, 0.2532,
0.4210

 14.8719, 0.2540,
0.4093

 15.1287, 0.2566,
0.3975

 15.4645, 0.2610,
0.3860

 15.8860, 0.2671,
0.3748

■ 16.3993, 0.2745,
0.3642

■ 17.0100, 0.2830,
0.3543

■ 17.7231, 0.2925,
0.3450

■ 18.5434, 0.3025,
0.3366

Harmonies

Analogous

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



14.5436, 0.3316, 0.4844



14.5436, 0.2536, 0.4328



14.5436, 0.1960, 0.3411

Triad

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



14.5436, 0.2536, 0.4328



14.5436, 0.2106, 0.2025



14.5436, 0.4796, 0.3606

Complementary

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



14.5436, 0.2536, 0.4328



4.2889, 0.5595, 0.2858

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.



14.5436, 0.4403, 0.3012



14.5436, 0.2536, 0.4328



14.5436, 0.2748, 0.2151

Square

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



14.5436, 0.2536, 0.4328



14.5436, 0.1757, 0.2161



14.5436, 0.3604, 0.2500



14.5436, 0.4649, 0.4216

Rectangle

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



14.5436, 0.2536, 0.4328



14.5436, 0.1753, 0.2845



14.5436, 0.3604, 0.2500



14.5436, 0.4725, 0.3403

Sweetspot

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



14.5442, 0.2536, 0.4328



29.8264, 0.2823, 0.3551



14.3861, 0.3195, 0.5843



6.7338, 0.2793, 0.3584



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.



14.5442, 0.2536, 0.4328



25.5593, 0.2544, 0.4357



10.8490, 0.2103, 0.2771



4.4916, 0.3033, 0.3359



15.3094, 0.2537, 0.4332



72.8671, 0.2554, 0.4393

Inverse Universe

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



4.2889, 0.5595, 0.2858



7.5150, 0.5660, 0.2892



4.6551, 0.6180, 0.3472



4.0342, 0.3231, 0.3222



4.5095, 0.5606, 0.2862



21.3714, 0.5737, 0.2934

Previews

White Background



This preview shows how the Yxy color 14.5436, 0.2536, 0.4328 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 14.5436, 0.2536, 0.4328 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 14.5436, 0.2536, 0.4328

Background



This preview shows how black text looks on a background with the Yxy color 14.5436, 0.2536, 0.4328.



This preview shows how white text looks on a background with the Yxy color 14.5436, 0.2536, 0.4328.

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

14.5436, 0.2536, 0.4328

Protanopia

14.4073, 0.3649, 0.3924

Deuteranopia

14.4018, 0.3654, 0.3594



Tritanopia

14.7212, 0.2318, 0.3080

Trichromacy



Original Color

14.5436, 0.2536, 0.4328

Protanomaly

13.5693, 0.3015, 0.4110

Deuteranomaly

13.2289, 0.2997, 0.3853

Tritanomaly

14.5525, 0.2379, 0.3510

Monochromacy



Original Color

14.5436, 0.2536, 0.4328

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.7050, 0.2707, 0.3689

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5436, 0.2536, 0.4328 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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, 122, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 83) }
```

Border

The CSS property to change the border of an element to Yxy 14.5436, 0.2536, 0.4328 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, 83) }
```

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

```
.border{ border-color:rgb(0, 122, 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, 122, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.5436, 0.2536, 0.4328 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, 83) }
```

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

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