

Converting Colors

$Y_{xy}(11.8399, 0.1269, 0.4752)$

Have a look what the booklet for
Yxy(11.8399, 0.1269, 0.4752)
contains.

Yxy(14.5131, 0.2551, 0.4385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(14.5131, 0.2551, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	007A51
RGB	0, 122, 81
RGB Percent	0%, 48%, 32%
CMY	1.0000, 0.5215, 0.6823
CMYK	1.00, 0.00, 0.34, 0.52
HSL	160°, 100%, 24%
HSV	160°, 100%, 48%
XYZ	8.4431, 14.5131, 10.1410
YIQ	80.8480, -59.5510, -38.6150

Conversions

Conversions Part 2

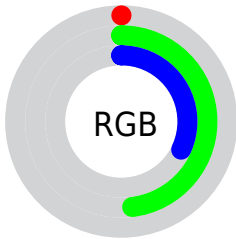
Format	Color
RYB	0, 73, 122
Decimal	31313
CIELab	44.96, -39.66, 14.45
CIELCh	45, 42.212, 159.987
Yxy	14.5131, 0.2551, 0.4385
Android (android.graphics.Color)	4278221393 (0xFF007A51)
YUV	80.8480, 0.0749, -70.9037
Hunter-Lab	38.0961, -27.1078, 10.8846

Details

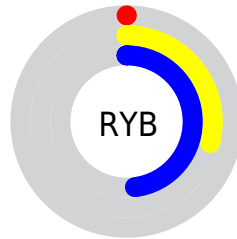
The Yxy color **14.5131, 0.2551, 0.4385** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.2982, 0.5541, 0.2826**, and the grayscale version is **8.2063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8764, 0.2703, 0.4072**, and **4.7621, 0.2677, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **14.5148, 0.2551, 0.4385**, and if you desaturate by 10%, it is **14.6578, 0.2546, 0.4261**.

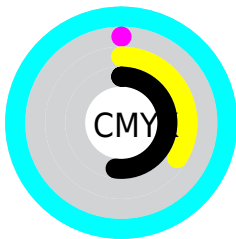
Distribution



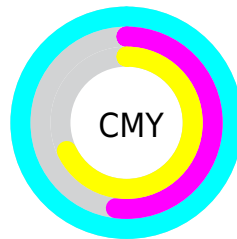
- Red (0%)
- Green (48%)
- Blue (32%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (52%)





- Cyan (100%)
- Magenta (52%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5131, 0.2551, 0.4385 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 14.5131, 0.2551, 0.4385 by changing the saturation by 10% instead.


 14.5131, 0.2551,
0.4385


 14.5131, 0.2551,
0.4385


220.3999, 0.2910,
0.3698


 8.4784, 0.2423,
0.4634


 33.9967, 0.2705,
0.4088


 4.4026, 0.2225,
0.5023

 48.2144, 0.2755,
0.3992


 1.9012, 0.1836,
0.5761

 65.9286, 0.2795,
0.3917

 0.5491, 0.0000,
1.0000

 87.5236, 0.2827,
0.3856

 0.0000, 0.0000,
0.0000

 113.3838, 0.2853,
0.3806

 143.8937, 0.2875,

0.3764

179.4376, 0.2894,
0.3728

14.5131, 0.2551,
0.4385

14.5131, 0.2551,
0.4385

14.5148, 0.2551,
0.4385

14.6578, 0.2546,
0.4261

14.8445, 0.2552,
0.4137

15.1024, 0.2577,
0.4013

15.4394, 0.2620,
0.3892

15.8624, 0.2679,
0.3774

■ 16.3775, 0.2751,
0.3662

■ 16.9903, 0.2835,
0.3557

■ 17.7059, 0.2927,
0.3460

■ 18.5290, 0.3025,
0.3371

Harmonies

Analogous

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



14.5131, 0.3349, 0.4886



14.5131, 0.2551, 0.4385



14.5131, 0.1955, 0.3449

Triad

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



14.5131, 0.2551, 0.4385



14.5131, 0.2068, 0.2003



14.5131, 0.4824, 0.3583

Complementary

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



14.5131, 0.2551, 0.4385



4.2982, 0.5541, 0.2826

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.



14.5131, 0.4404, 0.2982



14.5131, 0.2551, 0.4385



14.5131, 0.2709, 0.2123

Square

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



14.5131, 0.2551, 0.4385



14.5131, 0.1726, 0.2152



14.5131, 0.3577, 0.2468



14.5131, 0.4691, 0.4204

Rectangle

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



14.5131, 0.2551, 0.4385



14.5131, 0.1737, 0.2864



14.5131, 0.3577, 0.2468



14.5131, 0.4745, 0.3377

Sweetspot

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



14.5148, 0.2551, 0.4385



29.8038, 0.2829, 0.3564



14.4278, 0.3211, 0.5832



6.7282, 0.2800, 0.3599



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.



14.5148, 0.2551, 0.4385



25.5070, 0.2559, 0.4413



11.2468, 0.2118, 0.2824



4.4906, 0.3035, 0.3363



15.2784, 0.2552, 0.4388



72.7162, 0.2570, 0.4451

Inverse Universe

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



4.2982, 0.5541, 0.2826



7.5375, 0.5601, 0.2859



4.5805, 0.6212, 0.3450



4.0352, 0.3229, 0.3218



4.5233, 0.5547, 0.2829



21.4330, 0.5678, 0.2902

Previews

White Background



This preview shows how the Yxy color 14.5131, 0.2551, 0.4385 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 14.5131, 0.2551, 0.4385 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 14.5131, 0.2551, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 14.5131, 0.2551, 0.4385.



This preview shows how white text looks on a background with the Yxy color 14.5131, 0.2551, 0.4385.

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

14.5131, 0.2551, 0.4385

Protanopia

14.4473, 0.3691, 0.3962

Deuteranopia

14.3856, 0.3669, 0.3615



Tritanopia

14.4894, 0.2313, 0.3056

Trichromacy



Original Color

14.5131, 0.2551, 0.4385

Protanomaly

13.5406, 0.3037, 0.4162

Deuteranomaly

13.1971, 0.3021, 0.3904

Tritanomaly

14.3157, 0.2373, 0.3486

Monochromacy



Original Color

14.5131, 0.2551, 0.4385

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.6899, 0.2719, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5131, 0.2551, 0.4385 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 81)  
}
```

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, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 81) }
```

Border

The CSS property to change the border of an element to Yxy 14.5131, 0.2551, 0.4385 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, 81) }
```

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

```
.border{ border-color:rgb(0, 122, 81) }
```

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, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 122, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.5131, 0.2551, 0.4385 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, 81) }
```

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

```
.background{ background-color: rgb(0, 122,  
81) }
```

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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