

Converting Colors

$Y_{xy}(13.8903, 0.2707, 0.4946)$

Have a look what the booklet for
Yxy(13.8903, 0.2707, 0.4946)
contains.

Yxy(14.0010, 0.2711, 0.4960)	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(14.0010, 0.2711, 0.4960)

Conversions

Conversions Part 1

Format	Color
Hex	00793C
RGB	0, 121, 60
RGB Percent	0%, 47%, 24%
CMY	1.0000, 0.5255, 0.7647
CMYK	1.00, 0.00, 0.50, 0.53
HSL	150°, 100%, 24%
HSV	150°, 100%, 47%
XYZ	7.6526, 14.0010, 6.5743
YIQ	77.8670, -52.5350, -44.6230

Conversions

Conversions Part 2

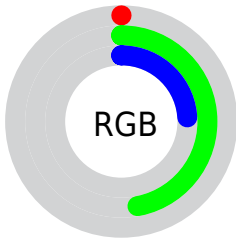
Format	Color
RYB	0, 81, 121
Decimal	31036
CIELab	44.23, -43.73, 25.39
CIELCh	44, 50.564, 149.858
Yxy	14.0010, 0.2711, 0.4960
Android (android.graphics.Color)	4278221116 (0xFF00793C)
YUV	77.8670, -8.8084, -68.2894
Hunter-Lab	37.4179, -28.9752, 15.7754

Details

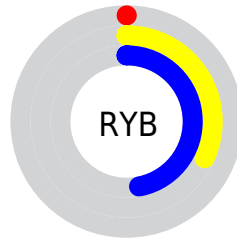
The Yxy color **14.0010, 0.2711, 0.4960** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.4021, 0.4867, 0.2455**, and the grayscale version is **7.6170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9127, 0.2840, 0.4477**, and **4.5410, 0.2893, 0.5616** is the 20% darker color. If you saturate the color by 10%, you get **14.0019, 0.2711, 0.4960**, and if you desaturate by 10%, it is **14.1490, 0.2694, 0.4779**.

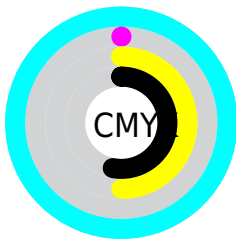
Distribution



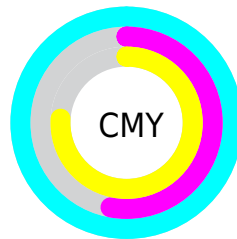
- Red (0%)
- Green (47%)
- Blue (24%)



- Red (0%)
- Yellow (32%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0010, 0.2711, 0.4960 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 14.0010, 0.2711, 0.4960 by changing the saturation by 10% instead.


 14.0010, 0.2711,
0.4960


 14.0010, 0.2711,
0.4960


217.2370, 0.2999,
0.3892


 8.1214, 0.2587,
0.5354


 33.0908, 0.2846,
0.4492


 4.1727, 0.2373,
0.5970

 47.0698, 0.2886,
0.4343

 1.7706, 0.1955,
0.8045

 64.5173, 0.2917,
0.4226

 0.4688, 0.0000,
1.0000

 85.8177, 0.2940,
0.4133


 0.0000, 0.0000,
0.0000


 111.3556, 0.2959,
0.4056


 141.5151, 0.2975,


0.3992

 176.6808, 0.2988,
0.3938


 14.0010, 0.2711,
0.4960


 14.0010, 0.2711,
0.4960

 14.0019, 0.2711,
0.4960

 14.1490, 0.2694,
0.4779

 14.3428, 0.2688,
0.4593

 14.6105, 0.2701,
0.4403

 14.9602, 0.2730,
0.4214

 15.3987, 0.2775,
0.4031

■ 15.9322, 0.2832,
0.3858

■ 16.5663, 0.2898,
0.3696

■ 17.3060, 0.2971,
0.3547

■ 18.1562, 0.3048,
0.3412

Harmonies

Analogous

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



14.0010, 0.3665, 0.5236



14.0010, 0.2711, 0.4960



14.0010, 0.1923, 0.3874

Triad

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



14.0010, 0.2711, 0.4960



14.0010, 0.1717, 0.1809



14.0010, 0.5074, 0.3343

Complementary

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



14.0010, 0.2711, 0.4960



4.4021, 0.4867, 0.2455

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.



14.0010, 0.4365, 0.2693



14.0010, 0.2711, 0.4960



14.0010, 0.2329, 0.1856

Square

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



14.0010, 0.2711, 0.4960



14.0010, 0.1447, 0.2074



14.0010, 0.3285, 0.2167



14.0010, 0.5094, 0.4051

Rectangle

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



14.0010, 0.2711, 0.4960



14.0010, 0.1598, 0.3085



14.0010, 0.3285, 0.2167



14.0010, 0.4908, 0.3118

Sweetspot

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



14.0019, 0.2711, 0.4960



29.5725, 0.2893, 0.3708



14.7166, 0.3413, 0.5672



6.6707, 0.2870, 0.3761



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.



14.0019, 0.2711, 0.4960



25.0436, 0.2723, 0.5001



15.0072, 0.2260, 0.3336



4.4800, 0.3055, 0.3400



15.0019, 0.2713, 0.4965



71.3892, 0.2737, 0.5054

Inverse Universe

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



4.4021, 0.4867, 0.2455



7.8540, 0.4917, 0.2482



4.0696, 0.6372, 0.3284



4.0456, 0.3206, 0.3183



4.7150, 0.4873, 0.2458



22.3188, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 14.0010, 0.2711, 0.4960 looks on a white background.

Color Contrast Check

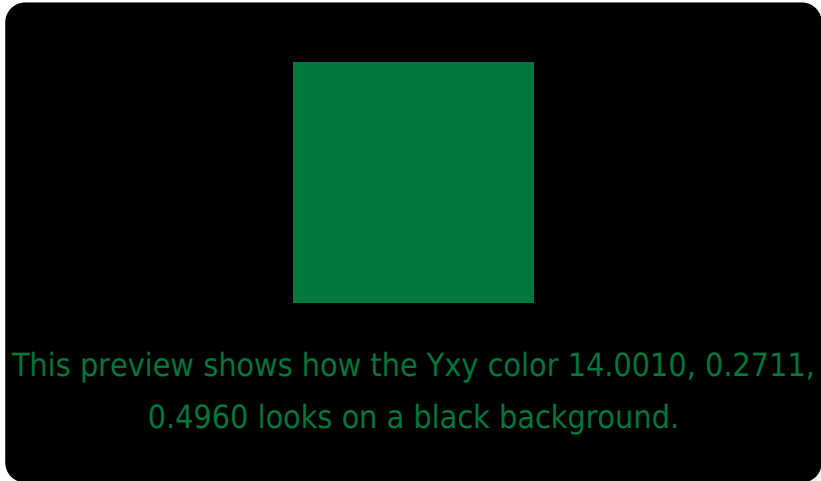
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 14.0010, 0.2711, 0.4960

Background



This preview shows how black text looks on a background with the Yxy color 14.0010, 0.2711, 0.4960.



This preview shows how white text looks on a background with the Yxy color 14.0010, 0.2711, 0.4960.

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

14.0010, 0.2711, 0.4960

Protanopia

13.8118, 0.3966, 0.4318

Deuteranopia

13.9316, 0.4034, 0.3981



Tritanopia

14.0455, 0.2348, 0.3077

Trichromacy



Original Color

14.0010, 0.2711, 0.4960



Protanomaly

12.8539, 0.3270, 0.4651



Deuteranomaly

12.7895, 0.3297, 0.4406



Tritanomaly

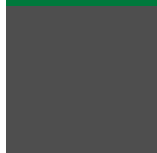
13.9039, 0.2456, 0.3725

Monochromacy



Original Color

14.0010, 0.2711, 0.4960



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.1384, 0.2809, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0010, 0.2711, 0.4960 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, 121, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 60)  
}
```

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, 121, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 60) }
```

Border

The CSS property to change the border of an element to Yxy 14.0010, 0.2711, 0.4960 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, 121, 60) }
```

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

```
.border{ border-color:rgb(0, 121, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0010, 0.2711, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 60) }
```

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

```
.background{ background-color: rgb(0, 121,  
60) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor