

Converting Colors

$Yxy(12.0908, 0.1804, 0.4506)$

Have a look what the booklet for
Yxy(12.0908, 0.1804, 0.4506)
contains.

Yxy(13.7877, 0.2534, 0.4324)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.7877, 0.2534, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	007751
RGB	0, 119, 81
RGB Percent	0%, 47%, 32%
CMY	1.0000, 0.5333, 0.6824
CMYK	1.00, 0.00, 0.32, 0.53
HSL	161°, 100%, 23%
HSV	161°, 100%, 47%
XYZ	8.0800, 13.7877, 10.0187
YIQ	79.0870, -58.7260, -37.0460

Conversions

Conversions Part 2

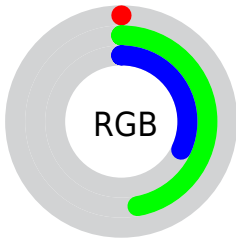
Format	Color
RYB	0, 71, 119
Decimal	30545
CIELab	43.93, -38.45, 13.03
CIELCh	44, 40.603, 161.281
Yxy	13.7877, 0.2534, 0.4324
Android (android.graphics.Color)	4278220625 (0xFF007751)
YUV	79.0870, 0.9431, -69.3593
Hunter-Lab	37.1318, -26.1383, 9.9949

Details

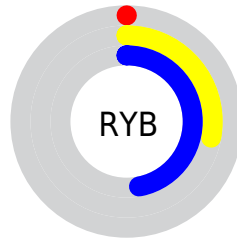
The Yxy color **13.7877, 0.2534, 0.4324** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.0625, 0.5597, 0.2857**, and the grayscale version is **7.8437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6533, 0.2697, 0.4047**, and **4.3836, 0.2655, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **13.7894, 0.2534, 0.4324**, and if you desaturate by 10%, it is **13.9255, 0.2531, 0.4207**.

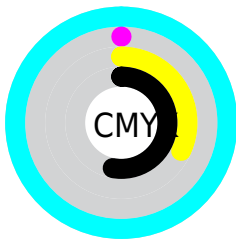
Distribution



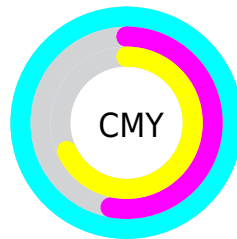
- Red (0%)
- Green (47%)
- Blue (32%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (53%)




- Cyan (100%)
- Magenta (53%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7877, 0.2534, 0.4324 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 13.7877, 0.2534, 0.4324 by changing the saturation by 10% instead.


 13.7877, 0.2534,
0.4324


 13.7877, 0.2534,
0.4324


215.9061, 0.2904,
0.3672


 7.9732, 0.2402,
0.4562


 32.7119, 0.2693,
0.4041


 4.0778, 0.2198,
0.4938

 46.5903, 0.2744,
0.3950


 1.7172, 0.1749,
0.5702

 63.9254, 0.2785,
0.3879

 0.4347, 0.0000,
1.0000


 85.1017, 0.2818,
0.3822

 0.0000, 0.0000,
0.0000

 110.5035, 0.2845,
0.3774

 140.5152, 0.2868,


0.3735


 175.5213, 0.2887,
0.3701


 13.7877, 0.2534,
0.4324


 13.7877, 0.2534,
0.4324


 13.7894, 0.2534,
0.4324

 13.9255, 0.2531,
0.4207

 14.1017, 0.2539,
0.4090

 14.3449, 0.2566,
0.3973

 14.6624, 0.2610,
0.3858

 15.0608, 0.2670,
0.3747

■ 15.5458, 0.2744,
0.3642

■ 16.1227, 0.2830,
0.3543

■ 16.7960, 0.2924,
0.3451

■ 17.5704, 0.3023,
0.3366

Harmonies

Analogous

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



13.7877, 0.3314, 0.4842



13.7877, 0.2534, 0.4324



13.7877, 0.1960, 0.3407

Triad

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



13.7877, 0.2534, 0.4324



13.7877, 0.2109, 0.2026



13.7877, 0.4795, 0.3609

Complementary

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



13.7877, 0.2534, 0.4324



4.0625, 0.5597, 0.2857

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.



13.7877, 0.4404, 0.3014



13.7877, 0.2534, 0.4324



13.7877, 0.2752, 0.2153

Square

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



13.7877, 0.2534, 0.4324



13.7877, 0.1759, 0.2161



13.7877, 0.3607, 0.2502



13.7877, 0.4646, 0.4217

Rectangle

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



13.7877, 0.2534, 0.4324



13.7877, 0.1753, 0.2843



13.7877, 0.3607, 0.2502



13.7877, 0.4725, 0.3406

Sweetspot

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



13.7894, 0.2534, 0.4324



28.7826, 0.2823, 0.3550



13.6400, 0.3196, 0.5844



6.7341, 0.2793, 0.3583



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.



13.7894, 0.2534, 0.4324



24.6640, 0.2542, 0.4352



10.2886, 0.2103, 0.2771



4.1363, 0.3034, 0.3359



14.6467, 0.2535, 0.4327



71.2143, 0.2552, 0.4389

Inverse Universe

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



4.0625, 0.5597, 0.2857



7.2507, 0.5660, 0.2891



4.4170, 0.6180, 0.3475



3.7184, 0.3231, 0.3222



4.3140, 0.5604, 0.2861



20.8821, 0.5739, 0.2935

Previews

White Background



This preview shows how the Yxy color 13.7877, 0.2534, 0.4324 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 13.7877, 0.2534, 0.4324 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 13.7877, 0.2534, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 13.7877, 0.2534, 0.4324.



This preview shows how white text looks on a background with the Yxy color 13.7877, 0.2534, 0.4324.

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

13.7877, 0.2534, 0.4324

Protanopia

13.6397, 0.3664, 0.3914

Deuteranopia

13.7633, 0.3648, 0.3601



Tritanopia

13.9361, 0.2318, 0.3075

Trichromacy



Original Color

13.7877, 0.2534, 0.4324

Protanomaly

12.8127, 0.3013, 0.4104

Deuteranomaly

12.6920, 0.2995, 0.3864

Tritanomaly

13.7931, 0.2373, 0.3490

Monochromacy



Original Color

13.7877, 0.2534, 0.4324

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

9.2627, 0.2701, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7877, 0.2534, 0.4324 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, 119, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 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, 119, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 81) }
```

Border

The CSS property to change the border of an element to Yxy 13.7877, 0.2534, 0.4324 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, 119, 81) }
```

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

```
.border{ border-color:rgb(0, 119, 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, 119, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.7877, 0.2534, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 81) }
```

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

```
.background{ background-color: rgb(0, 119,  
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](#).

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