

Converting Colors

$Yxy(11.2863, 0.1315, 0.3884)$

Have a look what the booklet for
Yxy(11.2863, 0.1315, 0.3884)
contains.

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Color

Yxy(13.8770, 0.2377, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	007664
RGB	0, 118, 100
RGB Percent	0%, 46%, 39%
CMY	1.0000, 0.5372, 0.6078
CMYK	1.00, 0.00, 0.15, 0.54
HSL	171°, 100%, 23%
HSV	171°, 100%, 46%
XYZ	8.7774, 13.8770, 14.2721
YIQ	80.6660, -64.5500, -30.6140

Conversions

Conversions Part 2

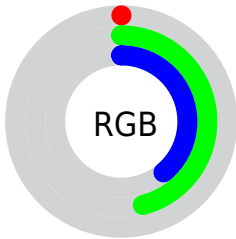
Format	Color
RYB	0, 64, 118
Decimal	30308
CIELab	44.06, -32.86, 1.95
CIELCh	44, 32.917, 176.604
Yxy	13.8770, 0.2377, 0.3758
Android (android.graphics.Color)	4278220388 (0xFF007664)
YUV	80.6660, 9.5317, -70.7441
Hunter-Lab	37.2518, -23.1318, 3.3608

Details

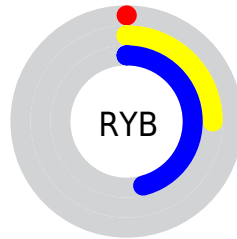
The Yxy color **13.8770, 0.2377, 0.3758** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.8956, 0.6113, 0.3141**, and the grayscale version is **8.1502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9380, 0.2563, 0.3637**, and **4.5226, 0.2423, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **13.8783, 0.2377, 0.3758**, and if you desaturate by 10%, it is **13.9903, 0.2388, 0.3706**.

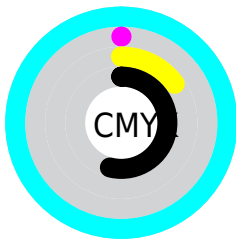
Distribution



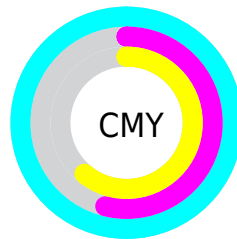
- Red (0%)
- Green (46%)
- Blue (39%)



- Red (0%)
- Yellow (25%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (54%)




- Cyan (100%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8770, 0.2377, 0.3758 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 13.8770, 0.2377, 0.3758 by changing the saturation by 10% instead.


 13.8770, 0.2377,
0.3758


 13.8770, 0.2377,
0.3758


216.4643, 0.2825,
0.3476


 8.0352, 0.2231,
0.3853


 32.8706, 0.2562,
0.3640


 4.1175, 0.2015,
0.3994

 46.7912, 0.2625,
0.3601


 1.7395, 0.1649,
0.4238

 64.1735, 0.2675,
0.3569

 0.4490, 0.0000,
0.5601

 85.4019, 0.2716,
0.3544

 0.0000, 0.0000,
0.0000

 110.8608, 0.2750,
0.3522


 140.9345, 0.2779,


0.3504


 176.0076, 0.2804,
0.3489


 13.8770, 0.2377,
0.3758


 13.8770, 0.2377,
0.3758


 13.8783, 0.2377,
0.3758

 13.9903, 0.2388,
0.3706

 14.1389, 0.2410,
0.3654

 14.3508, 0.2449,
0.3602

 14.6332, 0.2506,
0.3551

 14.9923, 0.2579,
0.3502

■ 15.4338, 0.2668,
0.3454

■ 15.9626, 0.2769,
0.3408

■ 16.5835, 0.2881,
0.3366

■ 17.3007, 0.3001,
0.3326

Harmonies

Analogous

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



13.8770, 0.2964, 0.4366



13.8770, 0.2377, 0.3758



13.8770, 0.2014, 0.3044

Triad

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



13.8770, 0.2377, 0.3758



13.8770, 0.2534, 0.2258



13.8770, 0.4485, 0.3852

Complementary

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



13.8770, 0.2377, 0.3758



3.8956, 0.6113, 0.3141

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.



13.8770, 0.4377, 0.3334



13.8770, 0.2377, 0.3758



13.8770, 0.3174, 0.2467

Square

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



13.8770, 0.2377, 0.3758



13.8770, 0.2103, 0.2263



13.8770, 0.3874, 0.2848



13.8770, 0.4193, 0.4313

Rectangle

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



13.8770, 0.2377, 0.3758



13.8770, 0.1925, 0.2664



13.8770, 0.3874, 0.2848



13.8770, 0.4497, 0.3680

Sweetspot

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



13.8783, 0.2377, 0.3758



27.9897, 0.2761, 0.3411



13.1035, 0.3068, 0.5946



6.3618, 0.2727, 0.3426



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8783, 0.2377, 0.3758



24.3849, 0.2381, 0.3770



6.8527, 0.1947, 0.2208



4.1461, 0.3013, 0.3322



15.0114, 0.2378, 0.3760



73.0509, 0.2386, 0.3788

Inverse Universe

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



3.8956, 0.6113, 0.3141



6.8356, 0.6161, 0.3168



5.3251, 0.5810, 0.3769



3.7091, 0.3254, 0.3258



4.2128, 0.6121, 0.3145



20.4463, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 13.8770, 0.2377, 0.3758 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 13.8770, 0.2377, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

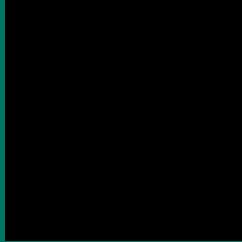
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8770, 0.2377, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 13.8770, 0.2377, 0.3758.



This preview shows how white text looks on a background with the Yxy color 13.8770, 0.2377, 0.3758.

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

13.8770, 0.2377, 0.3758

Protanopia

13.8615, 0.3347, 0.3551

Deuteranopia

13.8842, 0.3276, 0.3228



Tritanopia

14.0400, 0.2276, 0.3074

Trichromacy



Original Color

13.8770, 0.2377, 0.3758

Protanomaly

13.0287, 0.2788, 0.3636

Deuteranomaly

12.9111, 0.2741, 0.3385

Tritanomaly

13.8880, 0.2301, 0.3312

Monochromacy



Original Color

13.8770, 0.2377, 0.3758

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.4401, 0.2630, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8770, 0.2377, 0.3758 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, 118, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 100)  
}
```

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, 118, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 100) }
```

Border

The CSS property to change the border of an element to Yxy 13.8770, 0.2377, 0.3758 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, 118, 100) }
```

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

```
.border{ border-color:rgb(0, 118, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8770, 0.2377, 0.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 100) }
```

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

```
.background{ background-color: rgb(0, 118,  
100) }
```

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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