

Converting Colors

$Yxy(13.4864, 0.2298, 0.3886)$

Have a look what the booklet for
Yxy(13.4864, 0.2298, 0.3886)
contains.

Yxy(13.8014, 0.2408, 0.3869)	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(13.8014, 0.2408, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	007660
RGB	0, 118, 96
RGB Percent	0%, 46%, 38%
CMY	1.0000, 0.5372, 0.6235
CMYK	1.00, 0.00, 0.19, 0.54
HSL	169°, 100%, 23%
HSV	169°, 100%, 46%
XYZ	8.5898, 13.8014, 13.2806
YIQ	80.2100, -63.2660, -31.8580

Conversions

Conversions Part 2

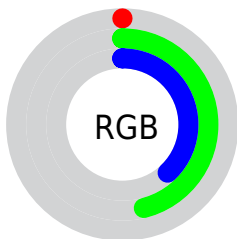
Format	Color
RYB	0, 65, 118
Decimal	30304
CIELab	43.95, -34.01, 4.17
CIELCh	44, 34.266, 173.009
Yxy	13.8014, 0.2408, 0.3869
Android (android.graphics.Color)	4278220384 (0xFF007660)
YUV	80.2100, 7.7845, -70.3442
Hunter-Lab	37.1502, -23.7407, 4.8100

Details

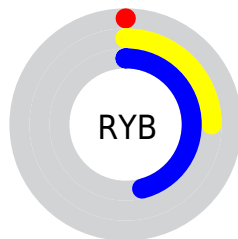
The Yxy color **13.8014, 0.2408, 0.3869** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.9096, 0.6027, 0.3094**, and the grayscale version is **8.0595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7376, 0.2589, 0.3729**, and **4.4865, 0.2473, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **13.8022, 0.2408, 0.3869**, and if you desaturate by 10%, it is **13.9200, 0.2416, 0.3804**.

Distribution



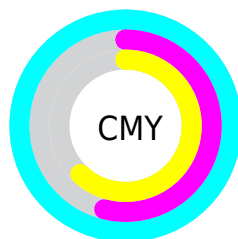
- Red (0%)
- Green (46%)
- Blue (38%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8014, 0.2408, 0.3869 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 13.8014, 0.2408, 0.3869 by changing the saturation by 10% instead.


 13.8014, 0.2408,
0.3869


 13.8014, 0.2408,
0.3869


 215.9918, 0.2841,
0.3515


 7.9827, 0.2265,
0.3991


 32.7362, 0.2588,
0.3719


 4.0839, 0.2052,
0.4177

 46.6211, 0.2648,
0.3670

 1.7206, 0.1671,
0.4512

 63.9635, 0.2696,
0.3631

 0.4369, 0.0000,
0.7035

 85.1478, 0.2736,
0.3599


 0.0000, 0.0000,
0.0000

 110.5584, 0.2768,
0.3572

 140.5796, 0.2796,


0.3550


 175.5960, 0.2820,
0.3531


 13.8014, 0.2408,
0.3869


 13.8014, 0.2408,
0.3869


 13.8022, 0.2408,
0.3869

 13.9200, 0.2416,
0.3804

 14.0748, 0.2435,
0.3740

 14.2933, 0.2472,
0.3675

 14.5825, 0.2527,
0.3612

 14.9490, 0.2597,
0.3550

■ 15.3981, 0.2683,
0.3491

■ 15.9350, 0.2781,
0.3435

■ 16.5643, 0.2890,
0.3383

■ 17.2904, 0.3006,
0.3334

Harmonies

Analogous

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



13.8014, 0.3035, 0.4469



13.8014, 0.2408, 0.3869



13.8014, 0.2002, 0.3113

Triad

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



13.8014, 0.2408, 0.3869



13.8014, 0.2443, 0.2209



13.8014, 0.4551, 0.3803

Complementary

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



13.8014, 0.2408, 0.3869



3.9096, 0.6027, 0.3094

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.



13.8014, 0.4387, 0.3267



13.8014, 0.2408, 0.3869



13.8014, 0.3087, 0.2401

Square

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



13.8014, 0.2408, 0.3869



13.8014, 0.2029, 0.2241



13.8014, 0.3822, 0.2775



13.8014, 0.4287, 0.4299

Rectangle

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



13.8014, 0.2408, 0.3869



13.8014, 0.1888, 0.2698



13.8014, 0.3822, 0.2775



13.8014, 0.4547, 0.3624

Sweetspot

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



13.8022, 0.2408, 0.3869



27.9418, 0.2774, 0.3439



13.1467, 0.3088, 0.5930



6.3497, 0.2740, 0.3457



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.



13.8022, 0.2408, 0.3869



24.2501, 0.2412, 0.3884



7.4338, 0.1979, 0.2322



4.1441, 0.3017, 0.3330



14.9297, 0.2409, 0.3871



72.6368, 0.2418, 0.3906

Inverse Universe

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



3.9096, 0.6027, 0.3094



6.8586, 0.6080, 0.3123



5.0775, 0.5894, 0.3702



3.7110, 0.3249, 0.3251



4.2279, 0.6035, 0.3098



20.5073, 0.6147, 0.3160

Previews

White Background



This preview shows how the Yxy color 13.8014, 0.2408, 0.3869 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 13.8014, 0.2408, 0.3869 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 13.8014, 0.2408, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 13.8014, 0.2408, 0.3869.



This preview shows how white text looks on a background with the Yxy color 13.8014, 0.2408, 0.3869.

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

13.8014, 0.2408, 0.3869

Protanopia

13.6563, 0.3421, 0.3616

Deuteranopia

13.6793, 0.3350, 0.3291



Tritanopia

13.8472, 0.2280, 0.3051

Trichromacy



Original Color

13.8014, 0.2408, 0.3869

Protanomaly

12.7457, 0.2830, 0.3716

Deuteranomaly

12.8327, 0.2785, 0.3484

Tritanomaly

13.6469, 0.2306, 0.3312

Monochromacy



Original Color

13.8014, 0.2408, 0.3869

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.3811, 0.2642, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8014, 0.2408, 0.3869 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, 96)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 96)  
}
```

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, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 96) }
```

Border

The CSS property to change the border of an element to Yxy 13.8014, 0.2408, 0.3869 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, 96) }
```

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

```
.border{ border-color:rgb(0, 118, 96) }
```

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, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 96);  
box-shadow:4px 4px 4px 4px rgb(0, 118, 96)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8014, 0.2408, 0.3869 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, 96) }
```

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

```
.background{ background-color: rgb(0, 118,  
96) }
```

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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