

Converting Colors

$Y_{xy}(13.8011, 0.2801, 0.4080)$

Have a look what the booklet for
Yxy(13.8011, 0.2801, 0.4080)
contains.

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Color

Yxy(13.8011, 0.2801, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	3A7354
RGB	58, 115, 84
RGB Percent	23%, 45%, 33%
CMY	0.7726, 0.5490, 0.6706
CMYK	0.50, 0.00, 0.27, 0.55
HSL	147°, 33%, 34%
HSV	147°, 50%, 45%
XYZ	9.4747, 13.8011, 10.5504
YIQ	94.4230, -24.0210, -21.7250

Conversions

Conversions Part 2

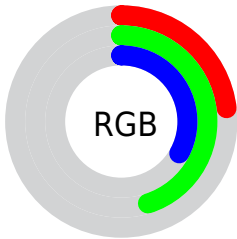
Format	Color
RYB	58, 97, 115
Decimal	3830612
CIELab	43.95, -26.55, 11.49
CIElCh	44, 28.935, 156.594
Yxy	13.8011, 0.2801, 0.4080
Android (android.graphics.Color)	4282020692 (0xFF3A7354)
YUV	94.4230, -5.1385, -31.9430
Hunter-Lab	37.1498, -19.4874, 9.1668

Details

The Yxy color **13.8011, 0.2801, 0.4080** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.3904, 0.3695, 0.2630**, and the grayscale version is **11.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6099, 0.2888, 0.3855**, and **4.0558, 0.2607, 0.4519** is the 20% darker color. If you saturate the color by 10%, you get **13.4011, 0.2759, 0.4277**, and if you desaturate by 10%, it is **14.2880, 0.2855, 0.3893**.

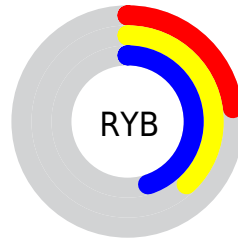
Distribution



Red (23%)

Green (45%)

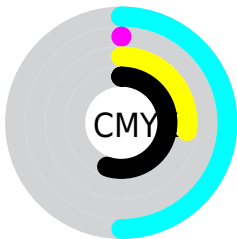
Blue (33%)



Red (23%)

Yellow (38%)

Blue (45%)

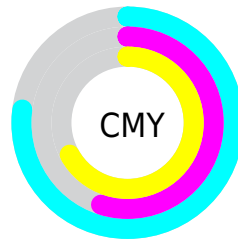


Cyan (50%)

Magenta (0%)

Yellow (27%)

Black (55%)



Cyan (77%)


Magenta (55%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8011, 0.2801, 0.4080 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 13.8011, 0.2801, 0.4080 by changing the saturation by 10% instead.


 13.8011, 0.2801,
0.4080


 13.8011, 0.2801,
0.4080


215.9899, 0.3006,
0.3587


 7.9825, 0.2726,
0.4257


 32.7357, 0.2890,
0.3867

 4.0837, 0.2608,
0.4536

 46.6204, 0.2918,
0.3799

 1.7205, 0.2397,
0.5035

 63.9627, 0.2941,
0.3745

 0.4369, 0.0000,
1.0000

 85.1468, 0.2959,
0.3701

 0.0000, 0.0000,
0.0000

 110.5572, 0.2974,
0.3665

 140.5782, 0.2986,

0.3635

175.5943, 0.2997,
0.3609

■ 13.8011, 0.2801,
0.4080

■ 13.8011, 0.2801,
0.4080

■ 13.4011, 0.2759,
0.4277

■ 14.2880, 0.2855,
0.3893

■ 13.0809, 0.2731,
0.4479

■ 14.8650, 0.2917,
0.3719

■ 12.8349, 0.2720,
0.4682


■ 15.5373, 0.2985,
0.3560


■ 12.6563, 0.2727,
0.4880

■ 16.3091, 0.3057,
0.3415

■ 12.5203, 0.2744,
0.5071


■ 17.1843, 0.3130,
0.3285

 12.5149, 0.2744,
0.5079

 18.1667, 0.3203,
0.3169

 19.2599, 0.3276,
0.3066

 20.4673, 0.3346,
0.2976

 21.7921, 0.3413,
0.2896

Harmonies

Analogous

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



13.8011, 0.3389, 0.4386



13.8011, 0.2801, 0.4080



13.8011, 0.2329, 0.3491

Triad

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



13.8011, 0.2801, 0.4080



13.8011, 0.2318, 0.2347



13.8011, 0.4302, 0.3496

Complementary

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



13.8011, 0.2801, 0.4080



7.3904, 0.3695, 0.2630

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.



13.8011, 0.3963, 0.3038



13.8011, 0.2801, 0.4080



13.8011, 0.2777, 0.2407

Square

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



13.8011, 0.2801, 0.4080



13.8011, 0.2077, 0.2505



13.8011, 0.3382, 0.2653



13.8011, 0.4281, 0.3953

Rectangle

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



13.8011, 0.2801, 0.4080



13.8011, 0.2135, 0.3082



13.8011, 0.3382, 0.2653



13.8011, 0.4227, 0.3340

Sweetspot

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



13.8017, 0.2801, 0.4080



28.3768, 0.3015, 0.3497



14.7089, 0.3451, 0.4595



6.7158, 0.3003, 0.3522



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.



13.8017, 0.2801, 0.4080



23.8695, 0.2752, 0.4317



14.3350, 0.2530, 0.3356



4.1234, 0.3061, 0.3408



14.3014, 0.2747, 0.5091



69.5239, 0.2774, 0.5185

Inverse Universe

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



7.3904, 0.3695, 0.2630



10.8874, 0.3905, 0.2492



7.0044, 0.4347, 0.3232



3.7311, 0.3199, 0.3175



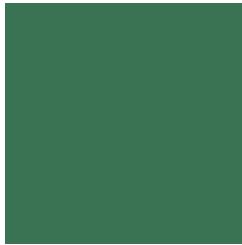
4.5669, 0.4707, 0.2367



22.0804, 0.4810, 0.2423

Previews

White Background



This preview shows how the Yxy color 13.8011, 0.2801, 0.4080 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 13.8011, 0.2801, 0.4080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

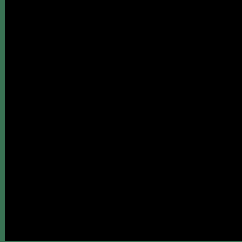
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.8011, 0.2801, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 13.8011, 0.2801, 0.4080.



This preview shows how white text looks on a background with the Yxy color 13.8011, 0.2801, 0.4080.

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

13.8011, 0.2801, 0.4080

Protanopia

13.6445, 0.3579, 0.3810

Deuteranopia

13.5337, 0.3607, 0.3540



Tritanopia

13.6771, 0.2527, 0.3081

Trichromacy



Original Color

13.8011, 0.2801, 0.4080

Protanomaly

13.3848, 0.3251, 0.3900

Deuteranomaly

13.3164, 0.3263, 0.3726

Tritanomaly

13.7189, 0.2630, 0.3433

Monochromacy



Original Color

13.8011, 0.2801, 0.4080

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.9903, 0.2987, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8011, 0.2801, 0.4080 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(58, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(58, 115, 84)  
}
```

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(58, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 115, 84) }
```

Border

The CSS property to change the border of an element to Yxy 13.8011, 0.2801, 0.4080 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(58, 115, 84) }
```

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

```
.border{ border-color:rgb(58, 115, 84) }
```

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

Here you see how a box with a 4 pixel rgb(58, 115, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(58, 115,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8011, 0.2801, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 115, 84) }
```

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

```
.background{ background-color: rgb(58, 115,  
84) }
```

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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