

Converting Colors

$Y_{xy}(12.9800, 0.2847, 0.3999)$

Have a look what the booklet for
Yxy(12.9800, 0.2847, 0.3999)
contains.

Yxy(13.0175, 0.2844, 0.4010)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.0175, 0.2844, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	3E6F53
RGB	62, 111, 83
RGB Percent	24%, 44%, 33%
CMY	0.7569, 0.5647, 0.6744
CMYK	0.44, 0.00, 0.25, 0.56
HSL	146°, 28%, 34%
HSV	146°, 44%, 44%
XYZ	9.2324, 13.0175, 10.2127
YIQ	93.1570, -20.2160, -19.0960

Conversions

Conversions Part 2

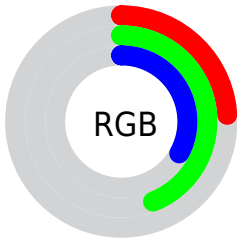
Format	Color
RYB	62, 96, 111
Decimal	4091731
CIELab	42.79, -23.56, 10.49
CIElCh	43, 25.792, 156.000
Yxy	13.0175, 0.2844, 0.4010
Android (android.graphics.Color)	4282281811 (0xFF3E6F53)
YUV	93.1570, -5.0074, -27.3247
Hunter-Lab	36.0798, -17.4637, 8.4732

Details

The Yxy color **13.0175, 0.2844, 0.4010** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.5617, 0.3580, 0.2674**, and the grayscale version is **11.0004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3326, 0.2917, 0.3806**, and **3.7661, 0.2674, 0.4445** is the 20% darker color. If you saturate the color by 10%, you get **12.6017, 0.2798, 0.4211**, and if you desaturate by 10%, it is **13.5167, 0.2900, 0.3821**.

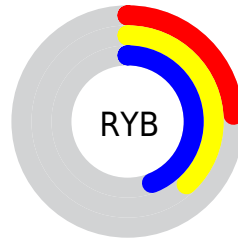
Distribution



Red (24%)

Green (44%)

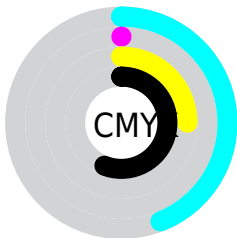
Blue (33%)



Red (24%)

Yellow (38%)

Blue (44%)

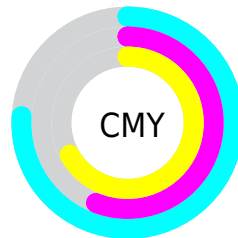


Cyan (44%)

Magenta (0%)

Yellow (25%)

Black (56%)



Cyan (76%)


Magenta (56%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0175, 0.2844, 0.4010 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 13.0175, 0.2844, 0.4010 by changing the saturation by 10% instead.


 13.0175, 0.2844,
0.4010


 13.0175, 0.2844,
0.4010


 211.0298, 0.3023,
0.3559


 7.4406, 0.2778,
0.4174


 31.3352, 0.2922,
0.3814


 3.7391, 0.2672,
0.4434

 44.8448, 0.2947,
0.3752


 1.5287, 0.2480,
0.4919

 61.7675, 0.2966,
0.3702

 0.3088, 0.0000,
1.0000

 82.4875, 0.2982,
0.3662

 0.0000, 0.0000,
0.0000

 107.3894, 0.2995,
0.3630

 136.8574, 0.3006,

0.3602

171.2761, 0.3015,
0.3579

■ 13.0175, 0.2844,
0.4010

■ 13.0175, 0.2844,
0.4010

■ 12.6017, 0.2798,
0.4211

■ 13.5167, 0.2900,
0.3821

■ 12.2628, 0.2764,
0.4420

■ 14.1020, 0.2962,
0.3647

■ 11.9963, 0.2745,
0.4632


■ 14.7779, 0.3029,
0.3488

■ 11.7962, 0.2743,
0.4842

■ 15.5483, 0.3098,
0.3345


■ 11.6532, 0.2757,
0.5043


■ 16.4166, 0.3168,
0.3217

 11.5797, 0.2766,
0.5157

 17.3863, 0.3236,
0.3104

 18.4606, 0.3303,
0.3003

 19.6424, 0.3368,
0.2915

 20.9349, 0.3429,
0.2838

Harmonies

Analogous

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



13.0175, 0.3383, 0.4282



13.0175, 0.2844, 0.4010



13.0175, 0.2406, 0.3487

Triad

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



13.0175, 0.2844, 0.4010



13.0175, 0.2379, 0.2425



13.0175, 0.4192, 0.3478

Complementary

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



13.0175, 0.2844, 0.4010



7.5617, 0.3580, 0.2674

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.



13.0175, 0.3877, 0.3055



13.0175, 0.2844, 0.4010



13.0175, 0.2800, 0.2475

Square

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



13.0175, 0.2844, 0.4010



13.0175, 0.2160, 0.2580



13.0175, 0.3350, 0.2700



13.0175, 0.4184, 0.3897

Rectangle

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



13.0175, 0.2844, 0.4010



13.0175, 0.2222, 0.3117



13.0175, 0.3350, 0.2700



13.0175, 0.4120, 0.3334

Sweetspot

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



13.0180, 0.2844, 0.4010



26.5651, 0.3035, 0.3476



13.9200, 0.3446, 0.4430



6.3264, 0.3023, 0.3503



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.0180, 0.2844, 0.4010



22.5449, 0.2797, 0.4217



13.4531, 0.2599, 0.3388



3.7848, 0.3065, 0.3413



13.6396, 0.2770, 0.5172



67.7787, 0.2797, 0.5270

Inverse Universe

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



7.5617, 0.3580, 0.2674



11.4006, 0.3734, 0.2539



7.2182, 0.4108, 0.3201



3.4304, 0.3195, 0.3171



4.4051, 0.4595, 0.2305



21.7681, 0.4693, 0.2359

Previews

White Background



This preview shows how the Yxy color 13.0175, 0.2844, 0.4010 looks on a white background.

Color Contrast Check

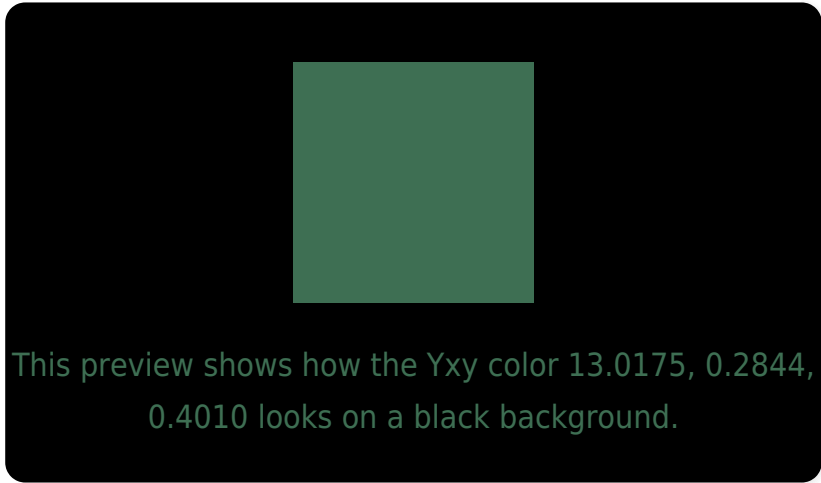
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0175, 0.2844, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 13.0175, 0.2844, 0.4010.

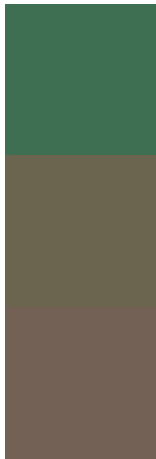


This preview shows how white text looks on a background with the Yxy color 13.0175, 0.2844, 0.4010.

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

13.0175, 0.2844, 0.4010

Protanopia

12.7902, 0.3546, 0.3781

Deuteranopia

12.8661, 0.3569, 0.3526



Tritanopia

13.0553, 0.2584, 0.3101

Trichromacy



Original Color

13.0175, 0.2844, 0.4010

Protanomaly

12.7040, 0.3257, 0.3862

Deuteranomaly

12.6454, 0.3269, 0.3686

Tritanomaly

12.8977, 0.2678, 0.3411

Monochromacy



Original Color

13.0175, 0.2844, 0.4010

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.6294, 0.3014, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0175, 0.2844, 0.4010 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(62, 111, 83)` looks like.

```
.text, #text, p{  
    color:rgb(62, 111, 83)  
}
```

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(62, 111, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 111, 83) }
```

Border

The CSS property to change the border of an element to Yxy 13.0175, 0.2844, 0.4010 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(62, 111, 83) }
```

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

```
.border{ border-color:rgb(62, 111, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 111, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 111, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 111, 83);  
box-shadow:4px 4px 4px 4px rgb(62, 111,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0175, 0.2844, 0.4010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 111, 83) }
```

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

```
.background{ background-color: rgb(62, 111,  
83) }
```

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