

Converting Colors

$Y_{xy}(13.0486, 0.3004, 0.4267)$

Have a look what the booklet for
Yxy(13.0486, 0.3004, 0.4267)
contains.

Yxy(13.0432, 0.3009, 0.4265)	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(13.0432, 0.3009, 0.4265)

Conversions

Conversions Part 1

Format	Color
Hex	436F49
RGB	67, 111, 73
RGB Percent	26%, 44%, 29%
CMY	0.7372, 0.5647, 0.7137
CMYK	0.40, 0.00, 0.34, 0.56
HSL	128°, 25%, 35%
HSV	128°, 40%, 44%
XYZ	9.2021, 13.0432, 8.3366
YIQ	93.5120, -14.0260, -21.1460

Conversions

Conversions Part 2

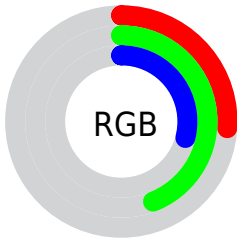
Format	Color
RYB	67, 106, 111
Decimal	4419401
CIELab	42.83, -23.98, 16.50
CIElCh	43, 29.110, 145.466
Yxy	13.0432, 0.3009, 0.4265
Android (android.graphics.Color)	4282609481 (0xFF436F49)
YUV	93.5120, -10.1124, -23.2510
Hunter-Lab	36.1154, -17.7205, 11.5946

Details

The Yxy color **13.0432, 0.3009, 0.4265** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.4144, 0.3275, 0.2480**, and the grayscale version is **11.0997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3814, 0.3049, 0.3996**, and **3.7723, 0.2886, 0.4841** is the 20% darker color. If you saturate the color by 10%, you get **12.5708, 0.2984, 0.4563**, and if you desaturate by 10%, it is **13.6116, 0.3038, 0.3983**.

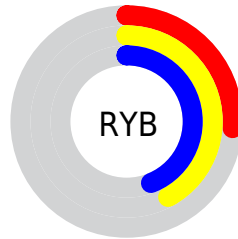
Distribution



Red (26%)

Green (44%)

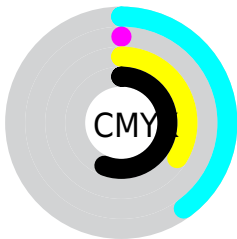
Blue (29%)



Red (26%)

Yellow (42%)

Blue (44%)

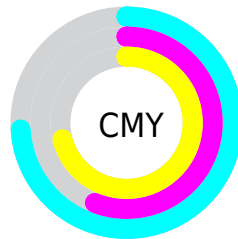


Cyan (40%)

Magenta (0%)

Yellow (34%)

Black (56%)



Cyan (74%)


Magenta (56%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.0432, 0.3009, 0.4265 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 13.0432, 0.3009, 0.4265 by changing the saturation by 10% instead.


 13.0432, 0.3009,
0.4265


 13.0432, 0.3009,
0.4265


211.1943, 0.3094,
0.3650


 7.4583, 0.2969,
0.4490


 31.3814, 0.3051,
0.3998


 3.7503, 0.2896,
0.4846

 44.9034, 0.3062,
0.3912


 1.5349, 0.2840,
0.5702

 61.8400, 0.3071,
0.3845

 0.3131, 0.0000,
1.0000

 82.5755, 0.3078,
0.3791

 0.0000, 0.0000,
0.0000

 107.4943, 0.3083,
0.3746

136.9807, 0.3088,

0.3709

171.4193, 0.3091,
0.3677

■ 13.0432, 0.3009,
0.4265

■ 13.0432, 0.3009,
0.4265

■ 12.5708, 0.2984,
0.4563

■ 13.6116, 0.3038,
0.3983

■ 12.1874, 0.2964,
0.4867

■ 14.2790, 0.3068,
0.3724

■ 11.8880, 0.2951,
0.5163

■ 15.0506, 0.3098,
0.3490

■ 11.6660, 0.2946,
0.5432

■ 15.9305, 0.3128,
0.3283

■ 11.5143, 0.2951,
0.5658

■ 16.9227, 0.3157,
0.3101

■ 11.4077, 0.2955,
0.5834

■ 18.0310, 0.3184,
0.2941

■ 11.4041, 0.2955,
0.5839

■ 19.2589, 0.3209,
0.2803

■ 20.6100, 0.3232,
0.2682

■ 22.0875, 0.3254,
0.2577

Harmonies

Analogous

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



13.0432, 0.3614, 0.4426



13.0432, 0.3009, 0.4265



13.0432, 0.2466, 0.3736

Triad

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



13.0432, 0.3009, 0.4265



13.0432, 0.2181, 0.2358



13.0432, 0.4243, 0.3321

Complementary

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



13.0432, 0.3009, 0.4265



8.4144, 0.3275, 0.2480

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.



13.0432, 0.3780, 0.2873



13.0432, 0.3009, 0.4265



13.0432, 0.2571, 0.2341

Square

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



13.0432, 0.3009, 0.4265



13.0432, 0.2025, 0.2608



13.0432, 0.3149, 0.2527



13.0432, 0.4361, 0.3798

Rectangle

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



13.0432, 0.3009, 0.4265



13.0432, 0.2209, 0.3304



13.0432, 0.3149, 0.2527



13.0432, 0.4121, 0.3165

Sweetspot

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



13.0437, 0.3009, 0.4265



26.5594, 0.3090, 0.3551



14.7859, 0.3600, 0.4245



6.3492, 0.3087, 0.3572



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.



13.0437, 0.3009, 0.4265



22.5348, 0.2984, 0.4553



13.3865, 0.2772, 0.3688



3.7700, 0.3100, 0.3477



13.4353, 0.2958, 0.5849



66.8498, 0.2975, 0.5909

Inverse Universe

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



8.4144, 0.3275, 0.2480



12.9359, 0.3320, 0.2293



8.0212, 0.3700, 0.2930



3.4460, 0.3155, 0.3110



4.9718, 0.3571, 0.1741



24.6733, 0.3594, 0.1754

Previews

White Background



This preview shows how the Yxy color 13.0432, 0.3009, 0.4265 looks on a white background.

Color Contrast Check

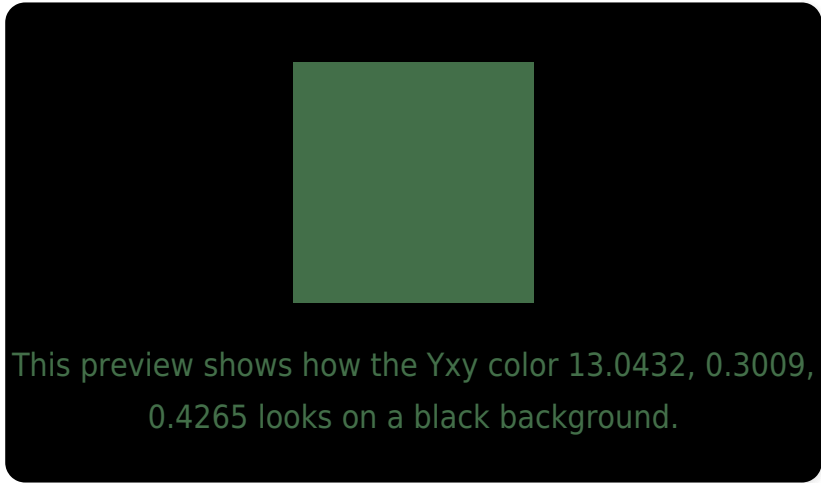
Large Text (above 18pt) WCAG AA ✓ Pass

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

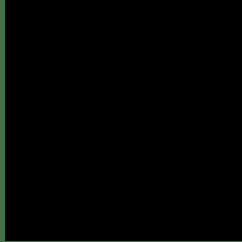
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0432, 0.3009, 0.4265

Background



This preview shows how black text looks on a background with the Yxy color 13.0432, 0.3009, 0.4265.



This preview shows how white text looks on a background with the Yxy color 13.0432, 0.3009, 0.4265.

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

13.0432, 0.3009, 0.4265

Protanopia

12.9882, 0.3700, 0.3993

Deuteranopia

12.9931, 0.3786, 0.3730



Tritanopia

13.0595, 0.2655, 0.3103

Trichromacy



Original Color

13.0432, 0.3009, 0.4265

Protanomaly

12.9250, 0.3429, 0.4114

Deuteranomaly

12.7201, 0.3468, 0.3912

Tritanomaly

13.0424, 0.2787, 0.3508

Monochromacy



Original Color

13.0432, 0.3009, 0.4265

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.6710, 0.3082, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0432, 0.3009, 0.4265 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(67, 111, 73)` looks like.

```
.text, #text, p{  
    color:rgb(67, 111, 73)  
}
```

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(67, 111, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 111, 73) }
```

Border

The CSS property to change the border of an element to Yxy 13.0432, 0.3009, 0.4265 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(67, 111, 73) }
```

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

```
.border{ border-color:rgb(67, 111, 73) }
```

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

Here you see how a box with a 4 pixel rgb(67, 111, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 111, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 111, 73);  
box-shadow:4px 4px 4px 4px rgb(67, 111,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0432, 0.3009, 0.4265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 111, 73) }
```

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

```
.background{ background-color: rgb(67, 111,  
73) }
```

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