

Converting Colors

$Y_{xy}(13.5161, 0.3014, 0.4139)$

Have a look what the booklet for
Yxy(13.5161, 0.3014, 0.4139)
contains.

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Color

Yxy(13.5161, 0.3014, 0.4139)

Conversions

Conversions Part 1

Format	Color
Hex	48704E
RGB	72, 112, 78
RGB Percent	28%, 44%, 31%
CMY	0.7176, 0.5608, 0.6941
CMYK	0.36, 0.00, 0.30, 0.56
HSL	129°, 22%, 36%
HSV	129°, 36%, 44%
XYZ	9.8424, 13.5161, 9.2970
YIQ	96.1640, -12.9260, -19.0540

Conversions

Conversions Part 2

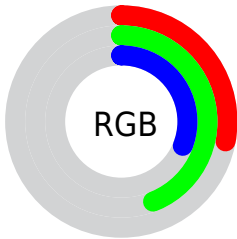
Format	Color
R_{YB}	72, 107, 112
Decimal	4747342
CIE _{Lab}	43.53, -21.80, 14.57
CIE _{LCh}	44, 26.223, 146.246
Yxy	13.5161, 0.3014, 0.4139
Android (android.graphics.Color)	4282937422 (0xFF48704E)
YUV	96.1640, -8.9549, -21.1918
Hunter-Lab	36.7642, -16.5502, 10.7416

Details

The Yxy color **13.5161, 0.3014, 0.4139** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.1222, 0.3267, 0.2569**, and the grayscale version is **11.7645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2208, 0.3053, 0.3914**, and **3.9833, 0.2928, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **12.9978, 0.2986, 0.4428**, and if you desaturate by 10%, it is **14.1338, 0.3045, 0.3869**.

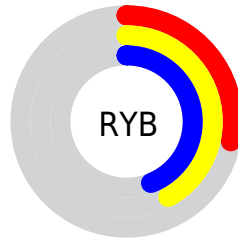
Distribution



 Red (28%)

 Green (44%)

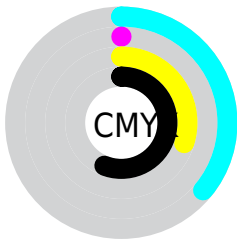
 Blue (31%)



 Red (28%)

 Yellow (42%)

 Blue (44%)

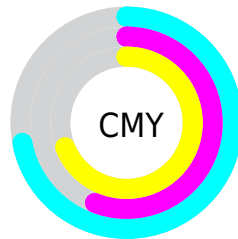


 Cyan (36%)

 Magenta (0%)

 Yellow (30%)

 Black (56%)



 Cyan (72%)


 Magenta (56%)


 Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5161, 0.3014, 0.4139 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 13.5161, 0.3014, 0.4139 by changing the saturation by 10% instead.


 13.5161, 0.3014,
0.4139


 13.5161, 0.3014,
0.4139


214.1993, 0.3093,
0.3608


 7.7849, 0.2979,
0.4331


 32.2279, 0.3051,
0.3910


 3.9576, 0.2919,
0.4631

 45.9773, 0.3062,
0.3836


 1.6499, 0.2829,
0.5230

 63.1682, 0.3070,
0.3778

 0.3909, 0.0000,
1.0000

 84.1850, 0.3077,
0.3731

 0.0000, 0.0000,
0.0000

 109.4122, 0.3082,
0.3692

139.2340, 0.3086,

0.3659

174.0349, 0.3090,
0.3632

■ 13.5161, 0.3014,
0.4139

■ 13.5161, 0.3014,
0.4139

■ 12.9978, 0.2986,
0.4428

■ 14.1338, 0.3045,
0.3869

■ 12.5720, 0.2963,
0.4728

■ 14.8539, 0.3077,
0.3624

■ 12.2337, 0.2946,
0.5026


■ 15.6815, 0.3109,
0.3404


■ 11.9769, 0.2939,
0.5306


■ 16.6205, 0.3140,
0.3209

■ 11.7944, 0.2941,
0.5552

■ 17.6752, 0.3170,
0.3039


 11.6731, 0.2950,
0.5750

 18.8490, 0.3198,
0.2890

 11.6282, 0.2950,
0.5821

 20.1458, 0.3225,
0.2760

 21.5688, 0.3249,
0.2648

 23.1214, 0.3271,
0.2550

Harmonies

Analogous

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



13.5161, 0.3557, 0.4299



13.5161, 0.3014, 0.4139



13.5161, 0.2527, 0.3672

Triad

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



13.5161, 0.3014, 0.4139



13.5161, 0.2281, 0.2449



13.5161, 0.4127, 0.3337

Complementary

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



13.5161, 0.3014, 0.4139



9.1222, 0.3267, 0.2569

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.



13.5161, 0.3723, 0.2927



13.5161, 0.3014, 0.4139



13.5161, 0.2642, 0.2435

Square

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



13.5161, 0.3014, 0.4139



13.5161, 0.2134, 0.2675



13.5161, 0.3165, 0.2607



13.5161, 0.4227, 0.3768

Rectangle

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



13.5161, 0.3014, 0.4139



13.5161, 0.2296, 0.3293



13.5161, 0.3165, 0.2607



13.5161, 0.4021, 0.3195

Sweetspot

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



13.5167, 0.3014, 0.4139



26.7126, 0.3091, 0.3524



15.1618, 0.3556, 0.4151



6.3829, 0.3088, 0.3546



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.



13.5167, 0.3014, 0.4139



22.9663, 0.2990, 0.4381



13.8361, 0.2802, 0.3643



3.7706, 0.3099, 0.3474



13.4403, 0.2953, 0.5830



66.8694, 0.2971, 0.5894

Inverse Universe

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



9.1222, 0.3267, 0.2569



13.9926, 0.3308, 0.2403



8.7640, 0.3624, 0.2966



3.4453, 0.3157, 0.3113



4.9400, 0.3610, 0.1763



24.5078, 0.3636, 0.1777

Previews

White Background



This preview shows how the Yxy color 13.5161, 0.3014, 0.4139 looks on a white background.

Color Contrast Check

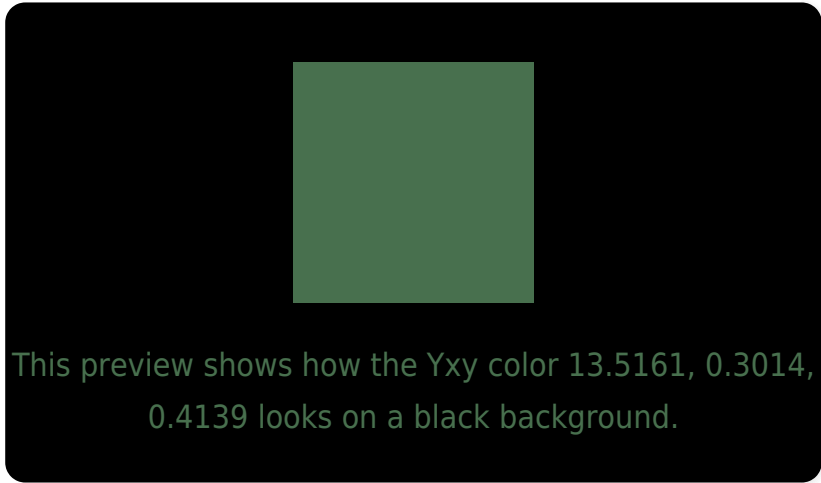
Large Text (above 18pt) WCAG AA ✓ Pass

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

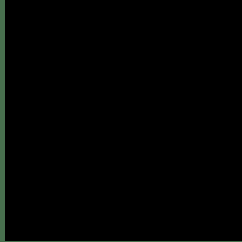
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5161, 0.3014, 0.4139

Background



This preview shows how black text looks on a background with the Yxy color 13.5161, 0.3014, 0.4139.



This preview shows how white text looks on a background with the Yxy color 13.5161, 0.3014, 0.4139.

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

13.5161, 0.3014, 0.4139

Protanopia

13.3122, 0.3639, 0.3901

Deuteranopia

13.3225, 0.3719, 0.3644



Tritanopia

13.4818, 0.2681, 0.3085

Trichromacy



Original Color

13.5161, 0.3014, 0.4139

Protanomaly

13.3029, 0.3390, 0.4009

Deuteranomaly

13.1632, 0.3441, 0.3809

Tritanomaly

13.4744, 0.2802, 0.3455

Monochromacy



Original Color

13.5161, 0.3014, 0.4139

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

12.2502, 0.3084, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5161, 0.3014, 0.4139 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(72, 112, 78)` looks like.

```
.text, #text, p{  
    color:rgb(72, 112, 78)  
}
```

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(72, 112, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 112, 78) }
```

Border

The CSS property to change the border of an element to Yxy 13.5161, 0.3014, 0.4139 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(72, 112, 78) }
```

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

```
.border{ border-color:rgb(72, 112, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 112, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 112, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 112, 78);  
box-shadow:4px 4px 4px 4px rgb(72, 112,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5161, 0.3014, 0.4139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 112, 78) }
```

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

```
.background{ background-color: rgb(72, 112,  
78) }
```

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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