

Converting Colors

$Y_{xy}(10.3785, 0.2950, 0.4412)$

Have a look what the booklet for
Yxy(10.3785, 0.2950, 0.4412)
contains.

Yxy(10.3852, 0.2950, 0.4415)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.3852, 0.2950, 0.4415)

Conversions

Conversions Part 1

Format	Color
Hex	34653E
RGB	52, 101, 62
RGB Percent	20%, 40%, 24%
CMY	0.7961, 0.6039, 0.7568
CMYK	0.49, 0.00, 0.39, 0.60
HSL	132°, 32%, 30%
HSV	132°, 49%, 40%
XYZ	6.9391, 10.3852, 6.1982
YIQ	81.9030, -16.6850, -22.5170

Conversions

Conversions Part 2

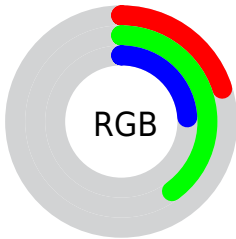
Format	Color
RYB	52, 93, 101
Decimal	3433790
CIELab	38.53, -26.05, 17.07
CIElCh	39, 31.144, 146.758
Yxy	10.3852, 0.2950, 0.4415
Android (android.graphics.Color)	4281623870 (0xFF34653E)
YUV	81.9030, -9.8122, -26.2249
Hunter-Lab	32.2261, -17.9597, 11.1547

Details

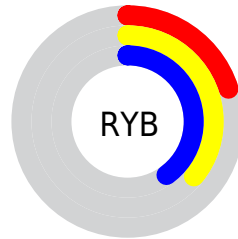
The Yxy color **10.3852, 0.2950, 0.4415** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.9767, 0.3385, 0.2385**, and the grayscale version is **8.4397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4070, 0.3015, 0.4078**, and **2.6854, 0.2773, 0.5183** is the 20% darker color. If you saturate the color by 10%, you get **10.0640, 0.2925, 0.4695**, and if you desaturate by 10%, it is **10.7777, 0.2981, 0.4144**.

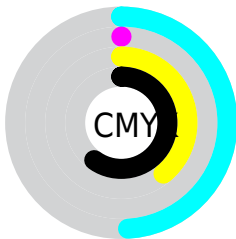
Distribution



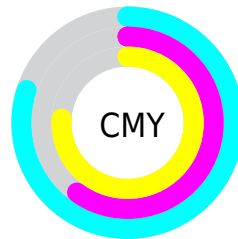
- Red (20%)
- Green (40%)
- Blue (24%)



- Red (20%)
- Yellow (36%)
- Blue (40%)



- Cyan (49%)
- Magenta (0%)
- Yellow (39%)
- Black (60%)





- Cyan (80%)
- Magenta (60%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3852, 0.2950, 0.4415 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 10.3852, 0.2950, 0.4415 by changing the saturation by 10% instead.


 10.3852, 0.2950,
0.4415


 10.3852, 0.2950,
0.4415


193.3996, 0.3078,
0.3682


 5.6551, 0.2887,
0.4705

 26.5175, 0.3013,
0.4086


 2.6365, 0.2767,
0.5185


 38.6886, 0.3031,
0.3984

 0.9451, 0.2165,
0.7835

 54.1087, 0.3044,
0.3905

 0.0000, 0.0000,
0.0000

 73.1623, 0.3054,
0.3842

 96.2338, 0.3062,
0.3791

 123.7076, 0.3069,

0.3748

155.9681, 0.3074,
0.3712

■ 10.3852, 0.2950,
0.4415

■ 10.3852, 0.2950,
0.4415

■ 10.0640, 0.2925,
0.4695

■ 10.7777, 0.2981,
0.4144

■ 9.8084, 0.2909,
0.4975

■ 11.2441, 0.3017,
0.3891

■ 9.6143, 0.2904,
0.5242


■ 11.7885, 0.3055,
0.3659


■ 9.4763, 0.2910,
0.5480


■ 12.4142, 0.3094,
0.3450

■ 9.3748, 0.2919,
0.5683


■ 13.1244, 0.3133,
0.3264

 9.3608, 0.2919,
0.5710

 13.9220, 0.3170,
0.3100

 14.8101, 0.3206,
0.2956

 15.7912, 0.3240,
0.2830

 16.8680, 0.3272,
0.2720

Harmonies

Analogous

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



10.3852, 0.3641, 0.4607



10.3852, 0.2950, 0.4415



10.3852, 0.2343, 0.3774

Triad

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



10.3852, 0.2950, 0.4415



10.3852, 0.2067, 0.2225



10.3852, 0.4431, 0.3333

Complementary

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



10.3852, 0.2950, 0.4415



5.9767, 0.3385, 0.2385

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.



10.3852, 0.3908, 0.2832



10.3852, 0.2950, 0.4415



10.3852, 0.2513, 0.2222

Square

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



10.3852, 0.2950, 0.4415



10.3852, 0.1883, 0.2484



10.3852, 0.3178, 0.2440



10.3852, 0.4539, 0.3869

Rectangle

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



10.3852, 0.2950, 0.4415



10.3852, 0.2065, 0.3263



10.3852, 0.3178, 0.2440



10.3852, 0.4296, 0.3159

Sweetspot

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



10.3856, 0.2950, 0.4415



20.5556, 0.3067, 0.3592



11.7901, 0.3637, 0.4463



5.0195, 0.3062, 0.3624



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.3856, 0.2950, 0.4415



17.2230, 0.2923, 0.4726



10.7144, 0.2676, 0.3694



3.1510, 0.3093, 0.3458



12.2683, 0.2926, 0.5732



63.8797, 0.2948, 0.5814

Inverse Universe

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



5.9767, 0.3385, 0.2385



8.6754, 0.3463, 0.2203



5.6233, 0.3964, 0.2934



2.8799, 0.3164, 0.3128



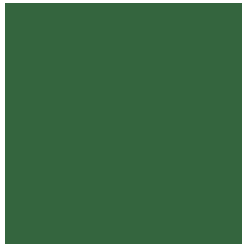
4.3880, 0.3777, 0.1854



22.7581, 0.3817, 0.1877

Previews

White Background



This preview shows how the Yxy color 10.3852, 0.2950, 0.4415 looks on a white background.

Color Contrast Check

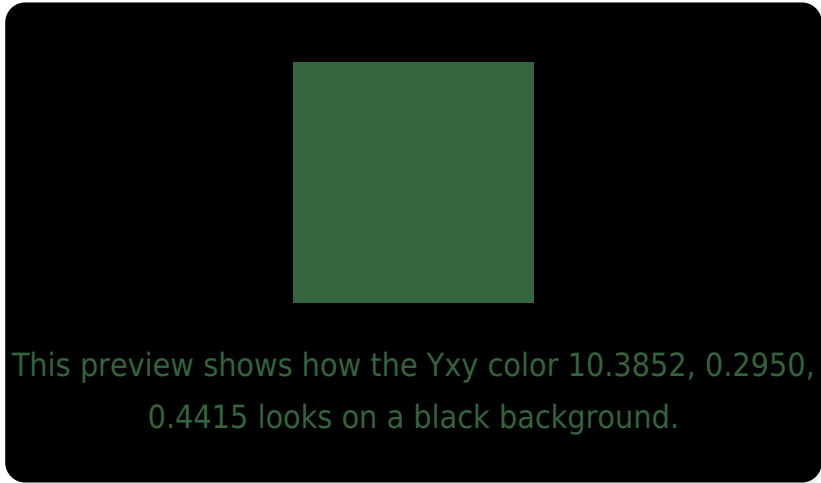
Large Text (above 18pt) WCAG AA ✓ Pass

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

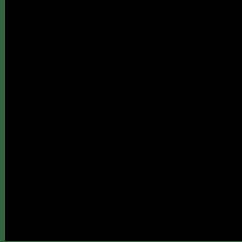
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3852, 0.2950, 0.4415

Background



This preview shows how black text looks on a background with the Yxy color 10.3852, 0.2950, 0.4415.



This preview shows how white text looks on a background with the Yxy color 10.3852, 0.2950, 0.4415.

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

10.3852, 0.2950, 0.4415

Protanopia

10.2145, 0.3761, 0.4062

Deuteranopia

10.3238, 0.3834, 0.3796



Tritanopia

10.3894, 0.2572, 0.3083

Trichromacy



Original Color

10.3852, 0.2950, 0.4415

Protanomaly

10.0705, 0.3424, 0.4213

Deuteranomaly

10.0507, 0.3464, 0.4010

Tritanomaly

10.3562, 0.2701, 0.3534

Monochromacy



Original Color

10.3852, 0.2950, 0.4415

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.9923, 0.3045, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3852, 0.2950, 0.4415 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(52, 101, 62)` looks like.

```
.text, #text, p{  
    color:rgb(52, 101, 62)  
}
```

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(52, 101, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 101, 62) }
```

Border

The CSS property to change the border of an element to Yxy 10.3852, 0.2950, 0.4415 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(52, 101, 62) }
```

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

```
.border{ border-color:rgb(52, 101, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 101, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 101, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 101, 62);  
box-shadow:4px 4px 4px 4px rgb(52, 101,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3852, 0.2950, 0.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 101, 62) }
```

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

```
.background{ background-color: rgb(52, 101,  
62) }
```

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