

Converting Colors

$Y_{xy}(10.0751, 0.3419, 0.4887)$

Have a look what the booklet for
Yxy(10.0751, 0.3419, 0.4887)
contains.

Yxy(10.0751, 0.3419, 0.4887)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0751, 0.3419, 0.4887)

Conversions

Conversions Part 1

Format	Color
Hex	436227
RGB	67, 98, 39
RGB Percent	26%, 38%, 15%
CMY	0.7372, 0.6157, 0.8471
CMYK	0.32, 0.00, 0.60, 0.62
HSL	92°, 43%, 27%
HSV	92°, 60%, 38%
XYZ	7.0487, 10.0751, 3.4924
YIQ	82.0050, 0.4630, -24.9210

Conversions

Conversions Part 2

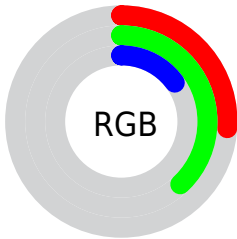
Format	Color
RYB	39, 98, 70
Decimal	4416039
CIELab	37.98, -22.59, 29.52
CIELCh	38, 37.171, 127.428
Yxy	10.0751, 0.3419, 0.4887
Android (android.graphics.Color)	4282606119 (0xFF436227)
YUV	82.0050, -21.2015, -13.1594
Hunter-Lab	31.7413, -15.9085, 15.6955

Details

The Yxy color **10.0751, 0.3419, 0.4887** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **3.6349, 0.2591, 0.1726**, and the grayscale version is **8.4823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.9487, 0.3379, 0.4437**, and **2.5271, 0.3371, 0.5705** is the 20% darker color. If you saturate the color by 10%, you get **9.8448, 0.3432, 0.5143**, and if you desaturate by 10%, it is **10.3393, 0.3391, 0.4612**.

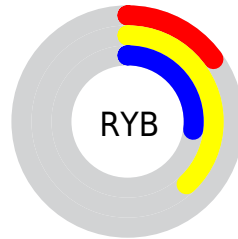
Distribution



Red (26%)

Green (38%)

Blue (15%)



Red (15%)

Yellow (38%)

Blue (27%)

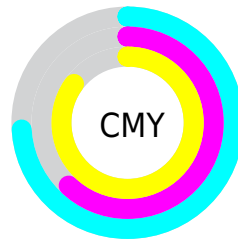


Cyan (32%)

Magenta (0%)

Yellow (60%)

Black (62%)



Cyan (74%)

Magenta (62%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0751, 0.3419, 0.4887 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 10.0751, 0.3419, 0.4887 by changing the saturation by 10% instead.

10.0751, 0.3419,
0.4887

10.0751, 0.3419,
0.4887

191.2072, 0.3277,
0.3853

5.4488, 0.3423,
0.5270

25.9367, 0.3378,
0.4431

2.5129, 0.3558,
0.6188

37.9407, 0.3358,
0.4287

0.8831, 0.2458,
0.7542

53.1727, 0.3340,
0.4174

0.0000, 0.0000,
0.0000

72.0172, 0.3324,
0.4084

94.8585, 0.3310,
0.4010

122.0810, 0.3297,

0.3949

154.0691, 0.3287,
0.3898

10.0751, 0.3419,
0.4887

10.0751, 0.3419,
0.4887

9.8448, 0.3432,
0.5143

10.3393, 0.3391,
0.4612

9.6453, 0.3426,
0.5366

10.6376, 0.3350,
0.4329

9.4751, 0.3402,
0.5545

10.9720, 0.3301,
0.4050

9.3285, 0.3374,
0.5703

11.3438, 0.3245,
0.3781

11.7542, 0.3187,
0.3528

■ 12.2046, 0.3128,
0.3295

■ 12.6961, 0.3070,
0.3081

■ 13.2298, 0.3014,
0.2887

■ 13.8067, 0.2960,
0.2713

Harmonies

Analogous

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



10.0751, 0.4186, 0.4689



10.0751, 0.3419, 0.4887



10.0751, 0.2617, 0.4445

Triad

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



10.0751, 0.3419, 0.4887



10.0751, 0.1717, 0.2184



10.0751, 0.4338, 0.2936

Complementary

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



10.0751, 0.3419, 0.4887



3.6349, 0.2591, 0.1726

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.



10.0751, 0.3497, 0.2435



10.0751, 0.3419, 0.4887



10.0751, 0.2032, 0.2011

Square

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



10.0751, 0.3419, 0.4887



10.0751, 0.1700, 0.2686



10.0751, 0.2646, 0.2108



10.0751, 0.4801, 0.3530

Rectangle

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



10.0751, 0.3419, 0.4887



10.0751, 0.2174, 0.3853



10.0751, 0.2646, 0.2108



10.0751, 0.4082, 0.2754

Sweetspot

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



10.0755, 0.3419, 0.4887



19.9938, 0.3236, 0.3738



7.0592, 0.4320, 0.4033



4.7184, 0.3248, 0.3792



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.0755, 0.3419, 0.4887



17.1076, 0.3432, 0.5235



9.3201, 0.3034, 0.5060



2.9084, 0.3179, 0.3496



12.3962, 0.3363, 0.5712



65.7052, 0.3321, 0.5745

Inverse Universe

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



3.6349, 0.2591, 0.1726



4.6707, 0.2426, 0.1393



4.9111, 0.3210, 0.1990



2.5736, 0.3071, 0.3085



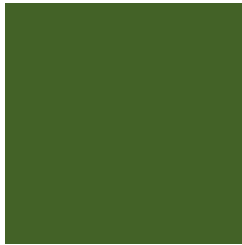
2.1026, 0.2116, 0.0939



10.7044, 0.2058, 0.0907

Previews

White Background



This preview shows how the Yxy color 10.0751, 0.3419, 0.4887 looks on a white background.

Color Contrast Check

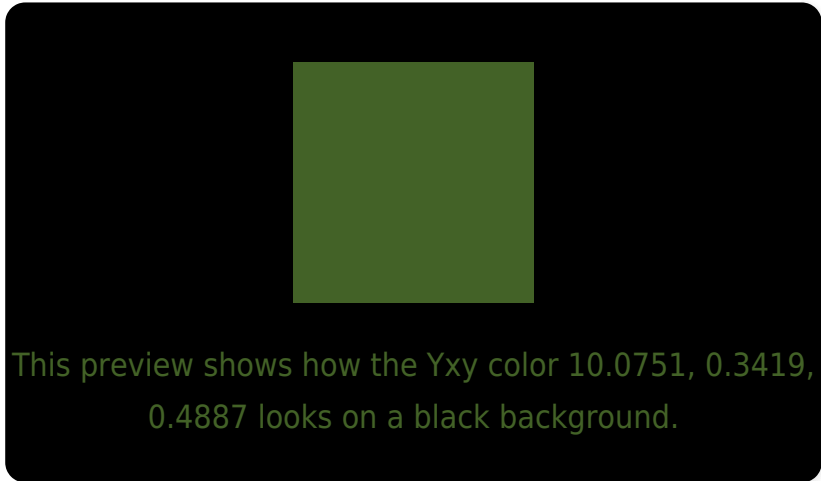
Large Text (above 18pt) WCAG AA ✓ Pass

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

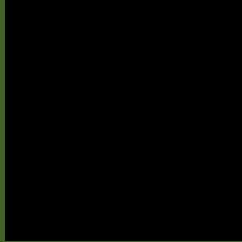
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0751, 0.3419, 0.4887

Background



This preview shows how black text looks on a background with the Yxy color 10.0751, 0.3419, 0.4887.



This preview shows how white text looks on a background with the Yxy color 10.0751, 0.3419, 0.4887.

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

10.0751, 0.3419, 0.4887

Protanopia

9.9248, 0.4094, 0.4497

Deuteranopia

9.9864, 0.4253, 0.4199



Tritanopia

10.0916, 0.2794, 0.3112

Trichromacy



Original Color

10.0751, 0.3419, 0.4887

Protanomaly

9.8141, 0.3831, 0.4646

Deuteranomaly

9.8592, 0.3917, 0.4444

Tritanomaly

9.9577, 0.3045, 0.3749

Monochromacy



Original Color

10.0751, 0.3419, 0.4887

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.9506, 0.3280, 0.3897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0751, 0.3419, 0.4887 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, 98, 39)` looks like.

```
.text, #text, p{  
    color:rgb(67, 98, 39)  
}
```

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, 98, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 98, 39) }
```

Border

The CSS property to change the border of an element to Yxy 10.0751, 0.3419, 0.4887 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, 98, 39) }
```

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

```
.border{ border-color:rgb(67, 98, 39) }
```

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

Here you see how a box with a 4 pixel rgb(67, 98, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 98, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 98, 39);  
box-shadow:4px 4px 4px 4px rgb(67, 98, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.0751, 0.3419, 0.4887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 98, 39) }
```

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

```
.background{ background-color: rgb(67, 98,  
39) }
```

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