

Converting Colors

$Y_{xy}(10.5247, 0.3849, 0.4135)$

Have a look what the booklet for
Yxy(10.5247, 0.3849, 0.4135)
contains.

Yxy(10.5247, 0.3849, 0.4135)	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(10.5247, 0.3849, 0.4135)

Conversions

Conversions Part 1

Format	Color
Hex	655B37
RGB	101, 91, 55
RGB Percent	40%, 36%, 22%
CMY	0.6040, 0.6431, 0.7843
CMYK	0.00, 0.10, 0.46, 0.60
HSL	47°, 29%, 31%
HSV	47°, 46%, 40%
XYZ	9.7968, 10.5247, 5.1313
YIQ	89.8860, 17.5160, -9.0760

Conversions

Conversions Part 2

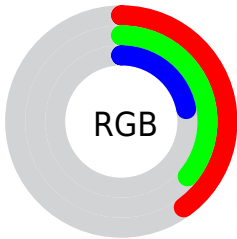
Format	Color
RYB	68, 101, 55
Decimal	6642487
CIELab	38.77, -1.64, 22.19
CIElCh	39, 22.247, 94.220
Yxy	10.5247, 0.3849, 0.4135
Android (android.graphics.Color)	4284832567 (0xFF655B37)
YUV	89.8860, -17.1988, 9.7470
Hunter-Lab	32.4418, -2.8698, 13.3314

Details

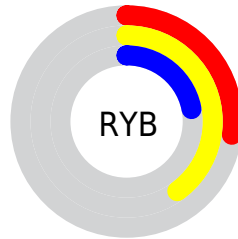
The Yxy color **10.5247, 0.3849, 0.4135** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.5322, 0.2381, 0.2266**, and the grayscale version is **10.2340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.7814, 0.3671, 0.3923**, and **2.7350, 0.4209, 0.4594** is the 20% darker color. If you saturate the color by 10%, you get **10.0686, 0.4017, 0.4305**, and if you desaturate by 10%, it is **11.0126, 0.3679, 0.3951**.

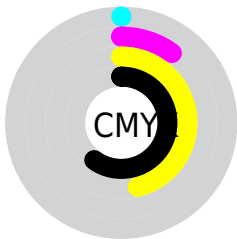
Distribution



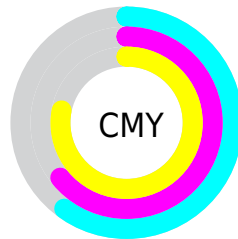
- Red (40%)
- Green (36%)
- Blue (22%)



- Red (27%)
- Yellow (40%)
- Blue (22%)



- Cyan (0%)
- Magenta (10%)
- Yellow (46%)
- Black (60%)



- Cyan (60%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5247, 0.3849, 0.4135 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 10.5247, 0.3849, 0.4135 by changing the saturation by 10% instead.


 10.5247, 0.3849,
0.4135


 10.5247, 0.3849,
0.4135


194.3770, 0.3409,
0.3615


 5.7482, 0.3993,
0.4310

 26.7778, 0.3665,
0.3916


 2.6926, 0.4211,
0.4579


 39.0233, 0.3604,
0.3843

 0.9734, 0.4757,
0.5243

 54.5272, 0.3555,
0.3785

 0.0000, 0.0000,
0.0000

 73.6739, 0.3515,
0.3738

 96.8478, 0.3481,
0.3699

 124.4334, 0.3453,

0.3667

156.8150, 0.3429,
0.3639

■ 10.5247, 0.3849,
0.4135

■ 10.5247, 0.3849,
0.4135

■ 10.0686, 0.4017,
0.4305

■ 11.0126, 0.3679,
0.3951

■ 9.6414, 0.4178,
0.4454

■ 11.5320, 0.3513,
0.3762

■ 9.2423, 0.4325,
0.4573

■ 12.0846, 0.3354,
0.3573

■ 8.8696, 0.4452,
0.4654

■ 12.6713, 0.3205,
0.3388

■ 8.5195, 0.4560,
0.4702

■ 13.2931, 0.3067,
0.3212

■ 8.3668, 0.4609,
0.4722

■ 13.9511, 0.2939,
0.3046

■ 14.6461, 0.2823,
0.2891

■ 15.3790, 0.2718,
0.2747

■ 16.1505, 0.2623,
0.2615

Harmonies

Analogous

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



10.5247, 0.4116, 0.3839



10.5247, 0.3849, 0.4135



10.5247, 0.3398, 0.4209

Triad

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



10.5247, 0.3849, 0.4135



10.5247, 0.2240, 0.3006



10.5247, 0.3304, 0.2723

Complementary

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



10.5247, 0.3849, 0.4135



5.5322, 0.2381, 0.2266

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.



10.5247, 0.2797, 0.2521



10.5247, 0.3849, 0.4135



10.5247, 0.2219, 0.2647

Square

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



10.5247, 0.3849, 0.4135



10.5247, 0.2477, 0.3505



10.5247, 0.2413, 0.2487



10.5247, 0.3797, 0.3051

Rectangle

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



10.5247, 0.3849, 0.4135



10.5247, 0.3060, 0.4087



10.5247, 0.2413, 0.2487



10.5247, 0.3129, 0.2639

Sweetspot

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



10.5252, 0.3849, 0.4135



20.8626, 0.3337, 0.3552



5.8901, 0.3964, 0.3029



5.0950, 0.3362, 0.3581



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.



10.5252, 0.3849, 0.4135



17.2129, 0.4034, 0.4322



11.6914, 0.3560, 0.4411



3.1723, 0.3255, 0.3450



10.9125, 0.4616, 0.4717



55.5981, 0.4646, 0.4693

Inverse Universe

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



5.5322, 0.2381, 0.2266



7.4329, 0.2184, 0.1965



4.8761, 0.2536, 0.2044



2.8512, 0.2999, 0.3124



1.9237, 0.1580, 0.0887



8.9355, 0.1557, 0.0803

Previews

White Background



This preview shows how the Yxy color 10.5247, 0.3849, 0.4135 looks on a white background.

Color Contrast Check

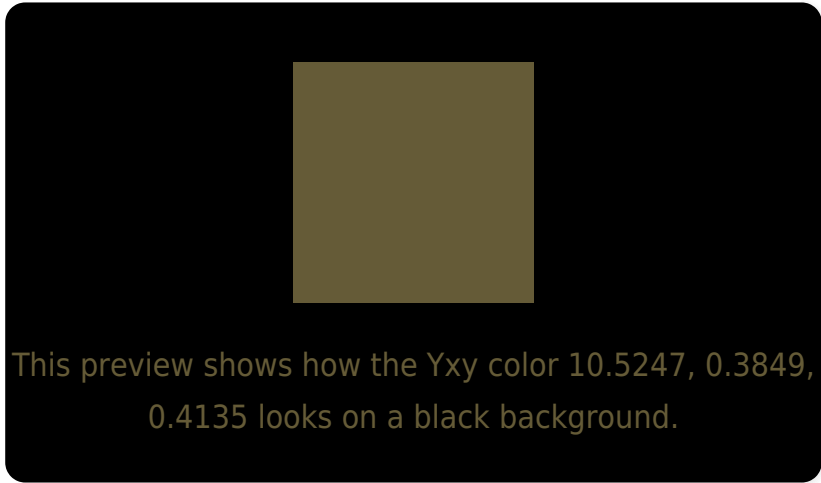
Large Text (above 18pt) WCAG AA ✓ Pass

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

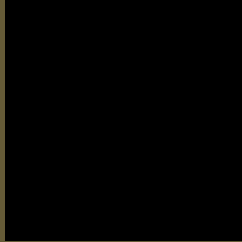
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5247, 0.3849, 0.4135

Background



This preview shows how black text looks on a background with the Yxy color 10.5247, 0.3849, 0.4135.

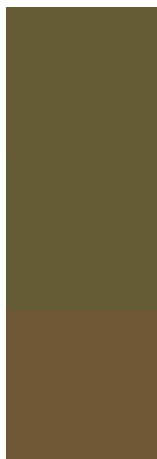


This preview shows how white text looks on a background with the Yxy color 10.5247, 0.3849, 0.4135.

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

10.5247, 0.3849, 0.4135

Protanopia

10.4673, 0.3832, 0.4141

Deuteranopia

10.4814, 0.4051, 0.3976



Tritanopia

10.4491, 0.3336, 0.3132

Trichromacy



Original Color

10.5247, 0.3849, 0.4135

Protanomaly

10.4673, 0.3832, 0.4141

Deuteranomaly

10.3908, 0.3970, 0.4018

Tritanomaly

10.4870, 0.3541, 0.3500

Monochromacy



Original Color

10.5247, 0.3849, 0.4135

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.2278, 0.3393, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5247, 0.3849, 0.4135 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(101, 91, 55)` looks like.

```
.text, #text, p{  
    color:rgb(101, 91, 55)  
}
```

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(101, 91, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 91, 55) }
```

Border

The CSS property to change the border of an element to Yxy 10.5247, 0.3849, 0.4135 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(101, 91, 55) }
```

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

```
.border{ border-color:rgb(101, 91, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 91, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 91, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 91, 55);  
box-shadow:4px 4px 4px 4px rgb(101, 91,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5247, 0.3849, 0.4135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 91, 55) }
```

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

```
.background{ background-color: rgb(101, 91,  
55) }
```

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