

Converting Colors

$Y_{xy}(41.4000, 0.3850, 0.4478)$

Have a look what the booklet for
Yxy(41.4000, 0.3850, 0.4478)
contains.

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Color

Yxy(41.5127, 0.3844, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	B1B159
RGB	177, 177, 89
RGB Percent	69%, 69%, 35%
CMY	0.3060, 0.3058, 0.6510
CMYK	0.00, 0.00, 0.50, 0.31
HSL	60°, 36%, 52%
HSV	60°, 50%, 69%
XYZ	35.6512, 41.5127, 15.5812
YIQ	166.9680, 28.2480, -27.3680

Conversions

Conversions Part 2

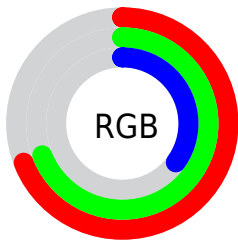
Format	Color
RYB	89, 177, 89
Decimal	11645273
CIELab	70.53, -12.40, 44.59
CIELCh	71, 46.277, 105.541
Yxy	41.5127, 0.3844, 0.4476
Android (android.graphics.Color)	4289835353 (0xFFB1B159)
YUV	166.9680, -38.4382, 8.7981
Hunter-Lab	64.4303, -13.9838, 30.7632

Details

The Yxy color **41.5127, 0.3844, 0.4476** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **12.4426, 0.2194, 0.1746**, and the grayscale version is **38.8060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6933, 0.3726, 0.4264**, and **18.9513, 0.3989, 0.4807** is the 20% darker color. If you saturate the color by 10%, you get **41.2511, 0.3960, 0.4668**, and if you desaturate by 10%, it is **41.8496, 0.3711, 0.4257**.

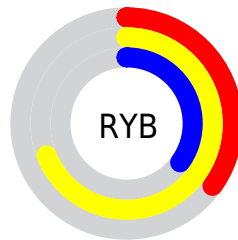
Distribution



Red (69%)

Green (69%)

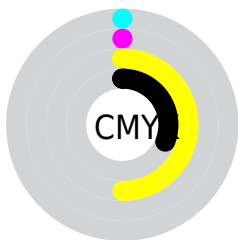
Blue (35%)



Red (35%)

Yellow (69%)

Blue (35%)

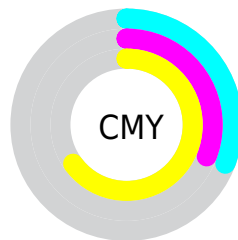


Cyan (0%)

Magenta (0%)

Yellow (50%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5127, 0.3844, 0.4476 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 41.5127, 0.3844, 0.4476 by changing the saturation by 10% instead.


 41.5127, 0.3844,
0.4476

 41.5127, 0.3844,
0.4476


352.4589, 0.3504,
0.3873


 28.7199, 0.3917,
0.4622


 77.4616, 0.3728,
0.4258

 18.8690, 0.4000,
0.4805


 101.3865, 0.3682,
0.4176

 11.5757, 0.4091,
0.5034


 129.7908, 0.3642,
0.4106

 6.4555, 0.4192,
0.5341

 163.0591, 0.3608,
0.4046

 3.1240, 0.4263,
0.5737

201.5756, 0.3577,
0.3994

 1.1968, 0.4024,
0.5976

245.7249, 0.3550,

 0.0591, 0.0000,

0.3949

1.0000

295.8911, 0.3526,
0.3909

■ 0.0000, 0.0000,
0.0000

■ 41.5127, 0.3844,
0.4476

■ 41.5127, 0.3844,
0.4476

■ 41.2511, 0.3960,
0.4668

■ 41.8496, 0.3711,
0.4257

■ 41.0539, 0.4054,
0.4824

■ 42.2608, 0.3568,
0.4019

■ 40.9171, 0.4124,
0.4940

■ 42.7524, 0.3419,
0.3772


■ 40.8337, 0.4168,
0.5013

■ 43.3285, 0.3269,
0.3525

■ 40.7894, 0.4192,
0.5052


■ 43.9928, 0.3123,
0.3284

 40.7883, 0.4192,
0.5053

 44.7488, 0.2984,
0.3053

 45.5997, 0.2853,
0.2837

 46.5487, 0.2732,
0.2637

 47.5988, 0.2621,
0.2453

Harmonies

Analogous

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



41.5127, 0.4314, 0.4142



41.5127, 0.3844, 0.4476



41.5127, 0.3210, 0.4461

Triad

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



41.5127, 0.3844, 0.4476



41.5127, 0.1952, 0.2697



41.5127, 0.3613, 0.2704

Complementary

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



41.5127, 0.3844, 0.4476



12.4426, 0.2194, 0.1746

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.



41.5127, 0.2926, 0.2387



41.5127, 0.3844, 0.4476



41.5127, 0.2031, 0.2348

Square

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



41.5127, 0.3844, 0.4476



41.5127, 0.2140, 0.3298



41.5127, 0.2364, 0.2255



41.5127, 0.4203, 0.3152

Rectangle

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



41.5127, 0.3844, 0.4476



41.5127, 0.2783, 0.4194



41.5127, 0.2364, 0.2255



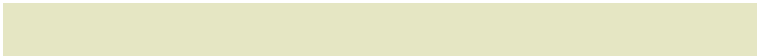
41.5127, 0.3381, 0.2581

Sweetspot

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



41.5146, 0.3844, 0.4476



76.9968, 0.3352, 0.3661



17.2122, 0.4499, 0.3294



16.6416, 0.3382, 0.3712



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



41.5146, 0.3844, 0.4476



73.8139, 0.3973, 0.4690



37.1575, 0.3420, 0.4671



9.9065, 0.3263, 0.3515



29.5473, 0.4192, 0.5053



0.9298, 0.4193, 0.5053

Inverse Universe

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



12.4426, 0.2194, 0.1746



15.5734, 0.1962, 0.1362



15.3038, 0.2650, 0.1915



8.2304, 0.2985, 0.3055



2.3004, 0.1500, 0.0600



0.0724, 0.1501, 0.0601

Previews

White Background



This preview shows how the Yxy color 41.5127, 0.3844, 0.4476 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 41.5127, 0.3844, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

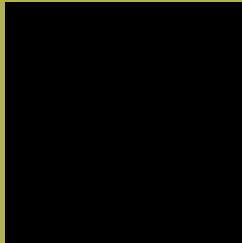
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5127, 0.3844, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 41.5127, 0.3844, 0.4476.



This preview shows how white text looks on a background with the Yxy color 41.5127, 0.3844, 0.4476.

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

41.5127, 0.3844, 0.4476

Protanopia

41.5389, 0.4005, 0.4385

Deuteranopia

41.1725, 0.4245, 0.4155



Tritanopia

41.4975, 0.3199, 0.3120

Trichromacy



Original Color

41.5127, 0.3844, 0.4476

Protanomaly

41.2910, 0.3949, 0.4418

Deuteranomaly

41.2734, 0.4099, 0.4269

Tritanomaly

41.2997, 0.3448, 0.3618

Monochromacy



Original Color

41.5127, 0.3844, 0.4476

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6478, 0.3403, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5127, 0.3844, 0.4476 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(177, 177, 89)` looks like.

```
.text, #text, p{  
    color:rgb(177, 177, 89)  
}
```

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(177, 177, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 177, 89) }
```

Border

The CSS property to change the border of an element to Yxy 41.5127, 0.3844, 0.4476 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(177, 177, 89) }
```

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

```
.border{ border-color:rgb(177, 177, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 177, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 177, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 177, 89);  
box-shadow:4px 4px 4px 4px rgb(177, 177,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5127, 0.3844, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 177, 89) }
```

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

```
.background{ background-color: rgb(177,  
177, 89) }
```

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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