

Converting Colors

$Yxy(37.6660, 0.4133, 0.4868)$

Have a look what the booklet for
Yxy(37.6660, 0.4133, 0.4868)
contains.

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Color

Yxy(37.8009, 0.4126, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	ADAA2A
RGB	173, 170, 42
RGB Percent	68%, 67%, 16%
CMY	0.3216, 0.3333, 0.8355
CMYK	0.00, 0.02, 0.76, 0.32
HSL	59°, 61%, 42%
HSV	59°, 76%, 68%
XYZ	32.0260, 37.8009, 7.7930
YIQ	156.3050, 42.8760, -39.1720

Conversions

Conversions Part 2

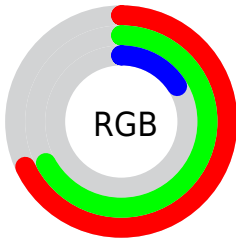
Format	Color
RYB	45, 173, 42
Decimal	11381290
CIELab	67.87, -13.59, 61.57
CIElCh	68, 63.054, 102.451
Yxy	37.8009, 0.4126, 0.4870
Android (android.graphics.Color)	4289571370 (0xFFADAA2A)
YUV	156.3050, -56.3524, 14.6415
Hunter-Lab	61.4824, -14.6143, 35.5226

Details

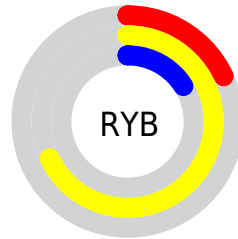
The Yxy color **37.8009, 0.4126, 0.4870** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.3806, 0.1718, 0.0980**, and the grayscale version is **33.6301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7212, 0.3982, 0.4599**, and **16.7388, 0.4179, 0.5064** is the 20% darker color. If you saturate the color by 10%, you get **37.5564, 0.4186, 0.4958**, and if you desaturate by 10%, it is **38.1028, 0.4040, 0.4739**.

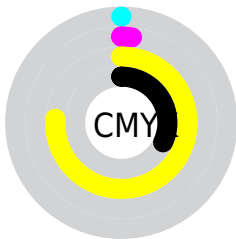
Distribution



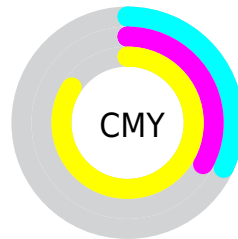
- Red (68%)
- Green (67%)
- Blue (16%)



- Red (18%)
- Yellow (68%)
- Blue (16%)



- Cyan (0%)
- Magenta (2%)
- Yellow (76%)
- Black (32%)




- Cyan (32%)
- Magenta (33%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8009, 0.4126, 0.4870 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 37.8009, 0.4126, 0.4870 by changing the saturation by 10% instead.


 37.8009, 0.4126,
0.4870


 37.8009, 0.4126,
0.4870


 336.7651, 0.3678,
0.4088

 25.8282, 0.4203,
0.5040


 71.8029, 0.3985,
0.4599


 16.6952, 0.4275,
0.5236


 94.6009, 0.3925,
0.4493


 10.0174, 0.4360,
0.5497


 121.7762, 0.3872,
0.4401

 5.4105, 0.4318,
0.5682

 153.7131, 0.3824,
0.4321

 2.4901, 0.4148,
0.5852

 190.7961, 0.3781,
0.4252

 0.8717, 0.3630,
0.6370

 233.4095, 0.3743,

 0.0000, 0.0000,

0.4191

0.0000

281.9377, 0.3709,
0.4137

■ 37.8009, 0.4126,
0.4870

■ 37.8009, 0.4126,
0.4870

■ 37.5564, 0.4186,
0.4958

■ 38.1028, 0.4040,
0.4739

■ 37.3561, 0.4222,
0.5006

■ 38.4630, 0.3931,
0.4570

■ 37.2774, 0.4233,
0.5021

■ 38.8885, 0.3803,
0.4369

■ 39.3840, 0.3661,
0.4145

■ 39.9538, 0.3512,
0.3907

■ 40.6018, 0.3360,
0.3665

■ 41.3317, 0.3211,
0.3425

■ 42.1468, 0.3067,
0.3193

■ 43.0506, 0.2931,
0.2974

Harmonies

Analogous

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



37.8009, 0.4766, 0.4300



37.8009, 0.4126, 0.4870



37.8009, 0.3276, 0.5019

Triad

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



37.8009, 0.4126, 0.4870



37.8009, 0.1576, 0.2507



37.8009, 0.3691, 0.2448

Complementary

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



37.8009, 0.4126, 0.4870



5.3806, 0.1718, 0.0980

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.



37.8009, 0.2741, 0.2066



37.8009, 0.4126, 0.4870



37.8009, 0.1650, 0.2042

Square

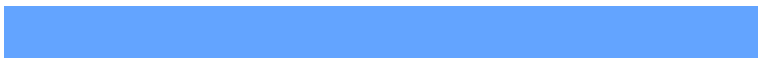
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



37.8009, 0.4126, 0.4870



37.8009, 0.1829, 0.3369



37.8009, 0.2035, 0.1917



37.8009, 0.4571, 0.3000

Rectangle

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



37.8009, 0.4126, 0.4870



37.8009, 0.2698, 0.4699



37.8009, 0.2035, 0.1917



37.8009, 0.3362, 0.2298

Sweetspot

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



37.8027, 0.4126, 0.4870



71.8128, 0.3476, 0.3850



10.7362, 0.5623, 0.3253



15.5229, 0.3529, 0.3935



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



37.8027, 0.4126, 0.4870



67.0064, 0.4213, 0.4995



33.4895, 0.3496, 0.5316



9.2983, 0.3263, 0.3509



27.3968, 0.4233, 0.5021



0.7718, 0.4220, 0.5031

Inverse Universe

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



5.3806, 0.1718, 0.0980



6.2440, 0.1543, 0.0681



7.5589, 0.2262, 0.1223



7.7855, 0.2985, 0.3061



2.2913, 0.1505, 0.0618



0.0731, 0.1527, 0.0698

Previews

White Background



This preview shows how the Yxy color 37.8009, 0.4126, 0.4870 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 37.8009, 0.4126, 0.4870 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 37.8009, 0.4126, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 37.8009, 0.4126, 0.4870.



This preview shows how white text looks on a background with the Yxy color 37.8009, 0.4126, 0.4870.

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

37.8009, 0.4126, 0.4870

Protanopia

37.8716, 0.4299, 0.4748

Deuteranopia

37.5927, 0.4565, 0.4478



Tritanopia

37.5843, 0.3261, 0.3115

Trichromacy



Original Color

37.8009, 0.4126, 0.4870

Protanomaly

37.6213, 0.4239, 0.4792

Deuteranomaly

37.6400, 0.4406, 0.4617

Tritanomaly

36.9992, 0.3658, 0.3825

Monochromacy



Original Color

37.8009, 0.4126, 0.4870

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.4089, 0.3558, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8009, 0.4126, 0.4870 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(173, 170, 42)` looks like.

```
.text, #text, p{  
    color:rgb(173, 170, 42)  
}
```

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(173, 170, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 170, 42) }
```

Border

The CSS property to change the border of an element to Yxy 37.8009, 0.4126, 0.4870 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(173, 170, 42) }
```

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

```
.border{ border-color:rgb(173, 170, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 170, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 170, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 170, 42);  
box-shadow:4px 4px 4px 4px rgb(173, 170,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8009, 0.4126, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 170, 42) }
```

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

```
.background{ background-color: rgb(173,  
170, 42) }
```

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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