

Converting Colors

$Yxy(37.4672, 0.3828, 0.4842)$

Have a look what the booklet for
Yxy(37.4672, 0.3828, 0.4842)
contains.

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Color

Yxy(37.3029, 0.3833, 0.4843)

Conversions

Conversions Part 1

Format	Color
Hex	9CAD3E
RGB	156, 173, 62
RGB Percent	61%, 68%, 24%
CMY	0.3882, 0.3216, 0.7569
CMYK	0.10, 0.00, 0.64, 0.32
HSL	69°, 47%, 46%
HSV	69°, 64%, 68%
XYZ	29.5234, 37.3029, 10.1980
YIQ	155.2630, 25.4990, -38.1250

Conversions

Conversions Part 2

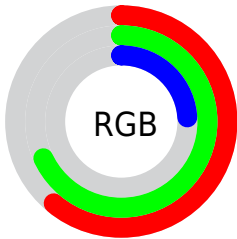
Format	Color
RYB	62, 173, 79
Decimal	10267966
CIELab	67.50, -21.31, 53.14
CIELCh	68, 57.258, 111.849
Yxy	37.3029, 0.3833, 0.4843
Android (android.graphics.Color)	4288458046 (0xFF9CAD3E)
YUV	155.2630, -45.9787, 0.6463
Hunter-Lab	61.0761, -20.5985, 32.8535

Details

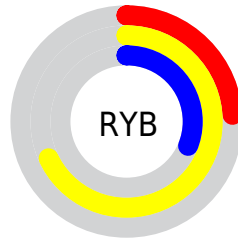
The Yxy color **37.3029, 0.3833, 0.4843** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.1216, 0.2045, 0.1330**, and the grayscale version is **33.1005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8707, 0.3736, 0.4544**, and **16.4995, 0.3929, 0.5263** is the 20% darker color. If you saturate the color by 10%, you get **36.8826, 0.3890, 0.5014**, and if you desaturate by 10%, it is **37.7928, 0.3753, 0.4636**.

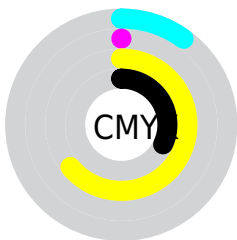
Distribution



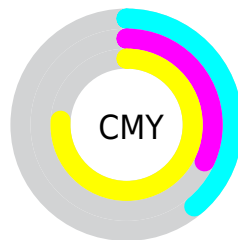
- Red (61%)
- Green (68%)
- Blue (24%)



- Red (24%)
- Yellow (68%)
- Blue (31%)



- Cyan (10%)
- Magenta (0%)
- Yellow (64%)
- Black (32%)





- Cyan (39%)
- Magenta (32%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3029, 0.3833, 0.4843 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 37.3029, 0.3833, 0.4843 by changing the saturation by 10% instead.


 37.3029, 0.3833,
0.4843


 37.3029, 0.3833,
0.4843


334.6201, 0.3518,
0.4037


 25.4421, 0.3887,
0.5039


 71.0384, 0.3734,
0.4550

 16.4067, 0.3936,
0.5281


 93.6819, 0.3692,
0.4440


 9.8124, 0.3964,
0.5578


 120.6884, 0.3654,
0.4346

 5.2748, 0.3983,
0.6017

 152.4423, 0.3621,
0.4266

 2.4094, 0.3706,
0.6294

 189.3281, 0.3591,
0.4197

 0.8307, 0.2449,
0.7551

231.7300, 0.3564,

 0.0000, 0.0000,

0.4137

0.0000

280.0325, 0.3540,
0.4084

■ 37.3029, 0.3833,
0.4843

■ 37.3029, 0.3833,
0.4843

■ 36.8826, 0.3890,
0.5014

■ 37.7928, 0.3753,
0.4636

■ 36.5208, 0.3922,
0.5143

■ 38.3525, 0.3655,
0.4402

■ 36.2120, 0.3929,
0.5227

■ 38.9882, 0.3543,
0.4151

■ 36.0469, 0.3927,
0.5264

■ 39.7043, 0.3423,
0.3894

■ 40.5047, 0.3300,
0.3638

■ 41.3930, 0.3177,
0.3390

■ 42.3727, 0.3058,
0.3155

■ 43.4470, 0.2945,
0.2936

■ 44.6188, 0.2839,
0.2733

Harmonies

Analogous

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



37.3029, 0.4499, 0.4427



37.3029, 0.3833, 0.4843



37.3029, 0.3025, 0.4753

Triad

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



37.3029, 0.3833, 0.4843



37.3029, 0.1675, 0.2404



37.3029, 0.3923, 0.2661

Complementary

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



37.3029, 0.3833, 0.4843



8.1216, 0.2045, 0.1330

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.



37.3029, 0.3036, 0.2243



37.3029, 0.3833, 0.4843



37.3029, 0.1836, 0.2068

Square

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



37.3029, 0.3833, 0.4843



37.3029, 0.1819, 0.3090



37.3029, 0.2294, 0.2031



37.3029, 0.4620, 0.3215

Rectangle

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



37.3029, 0.3833, 0.4843



37.3029, 0.2513, 0.4322



37.3029, 0.2294, 0.2031



37.3029, 0.3629, 0.2503

Sweetspot

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



37.3046, 0.3833, 0.4843



71.7798, 0.3364, 0.3769



14.7714, 0.4976, 0.3521



15.5145, 0.3398, 0.3840



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.



37.3046, 0.3833, 0.4843



65.7690, 0.3907, 0.5073



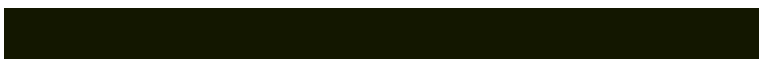
32.9936, 0.3308, 0.5158



9.2672, 0.3240, 0.3516



26.5004, 0.3930, 0.5262



0.7537, 0.4015, 0.5194

Inverse Universe

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



8.1216, 0.2045, 0.1330



9.4477, 0.1805, 0.0954



11.5405, 0.2677, 0.1616



7.8139, 0.3008, 0.3057



2.3991, 0.1572, 0.0640



0.0843, 0.1807, 0.0769

Previews

White Background



This preview shows how the Yxy color 37.3029, 0.3833, 0.4843 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 37.3029, 0.3833, 0.4843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

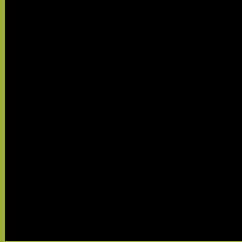
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3029, 0.3833, 0.4843

Background



This preview shows how black text looks on a background with the Yxy color 37.3029, 0.3833, 0.4843.



This preview shows how white text looks on a background with the Yxy color 37.3029, 0.3833, 0.4843.

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

37.3029, 0.3833, 0.4843

Protanopia

36.9444, 0.4192, 0.4607

Deuteranopia

37.0196, 0.4433, 0.4341



Tritanopia

37.2606, 0.3070, 0.3108

Trichromacy



Original Color

37.3029, 0.3833, 0.4843

Protanomaly

36.8586, 0.4058, 0.4689

Deuteranomaly

36.7871, 0.4220, 0.4517

Tritanomaly

36.8862, 0.3391, 0.3762

Monochromacy



Original Color

37.3029, 0.3833, 0.4843

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1897, 0.3428, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3029, 0.3833, 0.4843 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(156, 173, 62)` looks like.

```
.text, #text, p{  
    color:rgb(156, 173, 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(156, 173, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 173, 62) }
```

Border

The CSS property to change the border of an element to Yxy 37.3029, 0.3833, 0.4843 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(156, 173, 62) }
```

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

```
.border{ border-color:rgb(156, 173, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 173, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 173, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 173, 62);  
box-shadow:4px 4px 4px 4px rgb(156, 173,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3029, 0.3833, 0.4843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 173, 62) }
```

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

```
.background{ background-color: rgb(156,  
173, 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](#).

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