

Converting Colors

$Yxy(42.9280, 0.3872, 0.4874)$

Have a look what the booklet for
Yxy(42.9280, 0.3872, 0.4874)
contains.

Yxy(42.9536, 0.3875, 0.4872)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9536, 0.3875, 0.4872)

Conversions

Conversions Part 1

Format	Color
Hex	A8B83E
RGB	168, 184, 62
RGB Percent	66%, 72%, 24%
CMY	0.3410, 0.2784, 0.7569
CMYK	0.09, 0.00, 0.66, 0.28
HSL	68°, 50%, 48%
HSV	68°, 66%, 72%
XYZ	34.1636, 42.9536, 11.0470
YIQ	165.3080, 29.6260, -41.3340

Conversions

Conversions Part 2

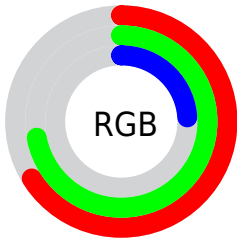
Format	Color
RYB	62, 184, 78
Decimal	11057214
CIELab	71.52, -21.75, 57.62
CIELCh	72, 61.591, 110.681
Yxy	42.9536, 0.3875, 0.4872
Android (android.graphics.Color)	4289247294 (0xFFA8B83E)
YUV	165.3080, -50.9308, 2.3609
Hunter-Lab	65.5390, -21.6462, 35.8836

Details

The Yxy color **42.9536, 0.3875, 0.4872** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **8.5238, 0.1978, 0.1248**, and the grayscale version is **38.0246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7499, 0.3777, 0.4586**, and **19.7433, 0.3960, 0.5238** is the 20% darker color. If you saturate the color by 10%, you get **42.5247, 0.3930, 0.5029**, and if you desaturate by 10%, it is **43.4596, 0.3796, 0.4677**.

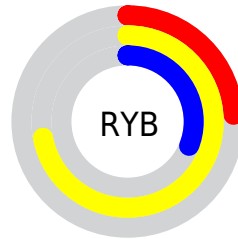
Distribution



Red (66%)

Green (72%)

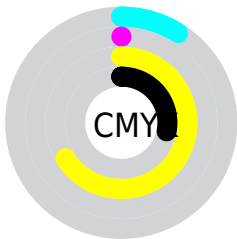
Blue (24%)



Red (24%)

Yellow (72%)

Blue (31%)

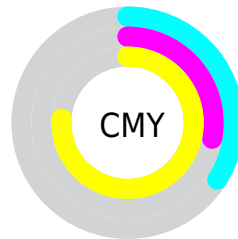


Cyan (9%)

Magenta (0%)

Yellow (66%)

Black (28%)



Cyan (34%)


Magenta (28%)

Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9536, 0.3875, 0.4872 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 42.9536, 0.3875, 0.4872 by changing the saturation by 10% instead.

 42.9536, 0.3875,
0.4872


 42.9536, 0.3875,
0.4872


358.4209, 0.3552,
0.4075


 29.8487, 0.3928,
0.5058


 79.6408, 0.3776,
0.4589


 19.7238, 0.3977,
0.5282


 103.9920, 0.3733,
0.4480


 12.1944, 0.4005,
0.5550


 132.8606, 0.3694,
0.4387

 6.8762, 0.4043,
0.5957

 166.6313, 0.3659,
0.4307

 3.3848, 0.3813,
0.6187

 205.6882, 0.3628,
0.4237

 1.3358, 0.3378,
0.6622

250.4159, 0.3600,

 0.1687, 0.0000,

0.4176

1.0000

301.1986, 0.3575,
0.4123

■ 0.0000, 0.0000,
0.0000

■ 42.9536, 0.3875,
0.4872

■ 42.9536, 0.3875,
0.4872

■ 42.5247, 0.3930,
0.5029

■ 43.4596, 0.3796,
0.4677

■ 42.1599, 0.3960,
0.5142

■ 44.0432, 0.3697,
0.4451

■ 41.8516, 0.3966,
0.5213

■ 44.7119, 0.3583,
0.4205

■ 41.7447, 0.3965,
0.5234

■ 45.4706, 0.3460,
0.3950

■ 46.3241, 0.3333,
0.3693

■ 47.2765, 0.3206,
0.3442

■ 48.3320, 0.3082,
0.3203

■ 49.4943, 0.2964,
0.2979

■ 50.7669, 0.2852,
0.2772

Harmonies

Analogous

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



42.9536, 0.4548, 0.4425



42.9536, 0.3875, 0.4872



42.9536, 0.3051, 0.4813

Triad

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



42.9536, 0.3875, 0.4872



42.9536, 0.1644, 0.2401



42.9536, 0.3908, 0.2627

Complementary

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



42.9536, 0.3875, 0.4872



8.5238, 0.1978, 0.1248

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.



42.9536, 0.2999, 0.2208



42.9536, 0.3875, 0.4872



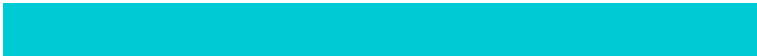
42.9536, 0.1796, 0.2048

Square

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



42.9536, 0.3875, 0.4872



42.9536, 0.1802, 0.3116



42.9536, 0.2250, 0.2001



42.9536, 0.4639, 0.3186

Rectangle

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



42.9536, 0.3875, 0.4872



42.9536, 0.2524, 0.4386



42.9536, 0.2250, 0.2001



42.9536, 0.3605, 0.2467

Sweetspot

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



42.9556, 0.3875, 0.4872



83.3345, 0.3385, 0.3796



15.7385, 0.5124, 0.3471



17.8726, 0.3420, 0.3868



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



42.9556, 0.3875, 0.4872



76.7445, 0.3949, 0.5092



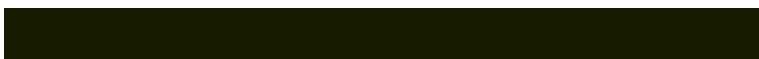
37.8634, 0.3339, 0.5206



10.4422, 0.3244, 0.3517



28.7934, 0.3968, 0.5232



1.0318, 0.4030, 0.5183

Inverse Universe

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



8.5238, 0.1978, 0.1248



9.8001, 0.1734, 0.0872



12.2435, 0.2604, 0.1538



8.7743, 0.3004, 0.3055



2.5375, 0.1556, 0.0631



0.1078, 0.1739, 0.0732

Previews

White Background



This preview shows how the Yxy color 42.9536, 0.3875, 0.4872 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 42.9536, 0.3875, 0.4872 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 42.9536, 0.3875, 0.4872

Background



This preview shows how black text looks on a background with the Yxy color 42.9536, 0.3875, 0.4872.



This preview shows how white text looks on a background with the Yxy color 42.9536, 0.3875, 0.4872.

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

42.9536, 0.3875, 0.4872

Protanopia

42.7220, 0.4225, 0.4639

Deuteranopia

42.5952, 0.4467, 0.4365



Tritanopia

42.7535, 0.3083, 0.3106

Trichromacy



Original Color

42.9536, 0.3875, 0.4872

Protanomaly

42.6168, 0.4098, 0.4718

Deuteranomaly

42.5598, 0.4247, 0.4548

Tritanomaly

42.2039, 0.3421, 0.3776

Monochromacy



Original Color

42.9536, 0.3875, 0.4872

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.1706, 0.3447, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9536, 0.3875, 0.4872 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(168, 184, 62)` looks like.

```
.text, #text, p{  
    color:rgb(168, 184, 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(168, 184, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 184, 62) }
```

Border

The CSS property to change the border of an element to Yxy 42.9536, 0.3875, 0.4872 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(168, 184, 62) }
```

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

```
.border{ border-color:rgb(168, 184, 62) }
```

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

Here you see how a box with a 4 pixel rgb(168, 184, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 184, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 184, 62);  
box-shadow:4px 4px 4px 4px rgb(168, 184,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9536, 0.3875, 0.4872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 184, 62) }
```

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

```
.background{ background-color: rgb(168,  
184, 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](#).

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