

Converting Colors

$Yxy(43.8579, 0.3434, 0.4902)$

Have a look what the booklet for
Yxy(43.8579, 0.3434, 0.4902)
contains.

| | |
|--|----|
| Yxy(43.9834, 0.3432, 0.4910) | 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(43.9834, 0.3432, 0.4910)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 88C152 |
| RGB | 136, 193, 82 |
| RGB Percent | 53%, 76%, 32% |
| CMY | 0.4668, 0.2431, 0.6784 |
| CMYK | 0.30, 0.00, 0.58, 0.24 |
| HSL | 91°, 47%, 54% |
| HSV | 91°, 58%, 76% |
| XYZ | 30.7436, 43.9834, 14.8522 |
| YIQ | 163.3030, 1.6590, -46.6050 |

Conversions

Conversions Part 2

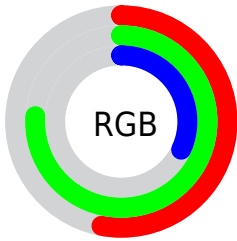
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 82, 193, 139 |
| Decimal | 8962386 |
| CIELab | 72.22, -37.03, 49.15 |
| CIElCh | 72, 61.532, 126.994 |
| Yxy | 43.9834, 0.3432, 0.4910 |
| Android (android.graphics.Color) | 4287152466 (0xFF88C152) |
| YUV | 163.3030, -40.0824, -23.9447 |
| Hunter-Lab | 66.3200, -33.3137, 33.1461 |

Details

The Yxy color **43.9834, 0.3432, 0.4910** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **15.3780, 0.2564, 0.1692**, and the grayscale version is **36.9682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3270, 0.3405, 0.4593**, and **20.3429, 0.3436, 0.5409** is the 20% darker color. If you saturate the color by 10%, you get **42.9395, 0.3445, 0.5176**, and if you desaturate by 10%, it is **45.1906, 0.3401, 0.4620**.

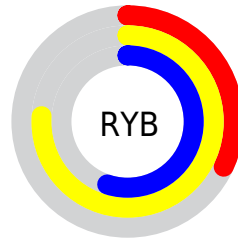
Distribution



Red (53%)

Green (76%)

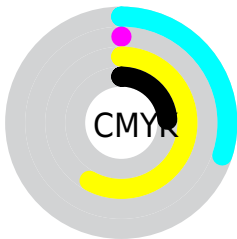
Blue (32%)



Red (32%)

Yellow (76%)

Blue (55%)

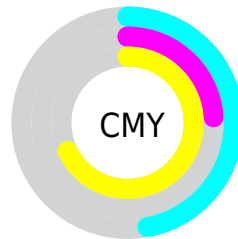


Cyan (30%)

Magenta (0%)

Yellow (58%)

Black (24%)



Cyan (47%)

Magenta (24%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9834, 0.3432, 0.4910 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 43.9834, 0.3432, 0.4910 by changing the saturation by 10% instead.


 43.9834, 0.3432,
0.4910

 43.9834, 0.3432,
0.4910


362.6405, 0.3325,
0.4057


 30.6575, 0.3438,
0.5128


 81.1928, 0.3407,
0.4594


 20.3382, 0.3432,
0.5407


 105.8450, 0.3393,
0.4477

 12.6411, 0.3396,
0.5769


 135.0414, 0.3380,
0.4378

 7.1819, 0.3318,
0.6290

 169.1664, 0.3367,
0.4294

 3.5761, 0.3069,
0.6931

 208.6045, 0.3355,
0.4222

 1.4394, 0.2096,
0.7904

253.7399, 0.3344,

 0.2455, 0.0000,

0.4160

1.0000

304.9571, 0.3334,
0.4105

■ 0.0000, 0.0000,
0.0000

■ 43.9834, 0.3432,
0.4910

■ 43.9834, 0.3432,
0.4910

■ 42.9395, 0.3445,
0.5176

■ 45.1906, 0.3401,
0.4620

■ 42.0440, 0.3436,
0.5403

■ 46.5635, 0.3356,
0.4320

■ 41.2883, 0.3406,
0.5579

■ 48.1119, 0.3301,
0.4024

■ 40.6580, 0.3358,
0.5700

■ 49.8427, 0.3240,
0.3740

■ 40.5152, 0.3345,
0.5726

■ 51.7625, 0.3176,
0.3475

■ 53.8777, 0.3111,
0.3232

■ 56.1942, 0.3048,
0.3011

■ 58.7176, 0.2988,
0.2812

■ 61.4074, 0.2935,
0.2641

Harmonies

Analogous

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



43.9834, 0.4206, 0.4698



43.9834, 0.3432, 0.4910



43.9834, 0.2621, 0.4473

Triad

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



43.9834, 0.3432, 0.4910



43.9834, 0.1700, 0.2176



43.9834, 0.4343, 0.2923

Complementary

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



43.9834, 0.3432, 0.4910



15.3780, 0.2564, 0.1692

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.



43.9834, 0.3488, 0.2420



43.9834, 0.3432, 0.4910



43.9834, 0.2013, 0.1998

Square

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



43.9834, 0.3432, 0.4910



43.9834, 0.1687, 0.2688



43.9834, 0.2629, 0.2093



43.9834, 0.4819, 0.3521

Rectangle

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



43.9834, 0.3432, 0.4910



43.9834, 0.2170, 0.3874



43.9834, 0.2629, 0.2093



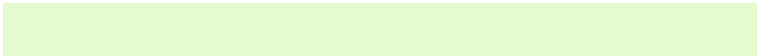
43.9834, 0.4082, 0.2740

Sweetspot

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



43.9853, 0.3432, 0.4910



89.3404, 0.3238, 0.3734



29.9836, 0.4363, 0.4021



19.0259, 0.3251, 0.3790



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



43.9853, 0.3432, 0.4910



76.4607, 0.3444, 0.5239



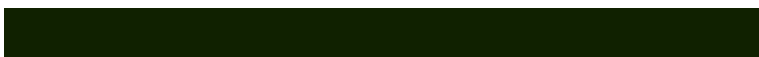
40.5471, 0.3041, 0.5122



11.4937, 0.3188, 0.3523



26.9920, 0.3355, 0.5718



1.2073, 0.3530, 0.5579

Inverse Universe

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



15.3780, 0.2564, 0.1692



20.3830, 0.2402, 0.1373



21.2245, 0.3190, 0.1955



9.9967, 0.3062, 0.3058



4.3790, 0.2061, 0.0909



0.2301, 0.2304, 0.1043

Previews

White Background



This preview shows how the Yxy color 43.9834, 0.3432, 0.4910 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 43.9834, 0.3432, 0.4910 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 43.9834, 0.3432, 0.4910

Background



This preview shows how black text looks on a background with the Yxy color 43.9834, 0.3432, 0.4910.



This preview shows how white text looks on a background with the Yxy color 43.9834, 0.3432, 0.4910.

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

43.9834, 0.3432, 0.4910

Protanopia

43.7159, 0.4110, 0.4511

Deuteranopia

43.4782, 0.4296, 0.4205



Tritanopia

43.7087, 0.2783, 0.3084

Trichromacy



Original Color

43.9834, 0.3432, 0.4910

Protanomaly

43.4302, 0.3844, 0.4664

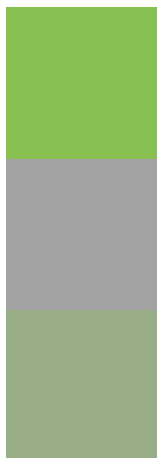
Deuteranomaly

42.8075, 0.3973, 0.4459

Tritanomaly

43.1755, 0.3033, 0.3729

Monochromacy



Original Color

43.9834, 0.3432, 0.4910

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.7656, 0.3269, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9834, 0.3432, 0.4910 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(136, 193, 82)` looks like.

```
.text, #text, p{  
    color:rgb(136, 193, 82)  
}
```

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(136, 193, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 193, 82) }
```

Border

The CSS property to change the border of an element to Yxy 43.9834, 0.3432, 0.4910 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(136, 193, 82) }
```

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

```
.border{ border-color:rgb(136, 193, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 193, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 193, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 193, 82);  
box-shadow:4px 4px 4px 4px rgb(136, 193,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9834, 0.3432, 0.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 193, 82) }
```

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

```
.background{ background-color: rgb(136,  
193, 82) }
```

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