

Converting Colors

Yxy(38.9388, 0.3834, 0.4538)

Have a look what the booklet for
Yxy(38.9388, 0.3834, 0.4538)
contains.

Yxy(38.9467, 0.3831, 0.4540)	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(38.9467, 0.3831, 0.4540)

Conversions

Conversions Part 1

Format	Color
Hex	A9AD53
RGB	169, 173, 83
RGB Percent	66%, 68%, 33%
CMY	0.3373, 0.3215, 0.6744
CMYK	0.02, 0.00, 0.52, 0.32
HSL	63°, 35%, 50%
HSV	63°, 52%, 68%
XYZ	32.8645, 38.9467, 13.9745
YIQ	161.5440, 26.5060, -28.8380

Conversions

Conversions Part 2

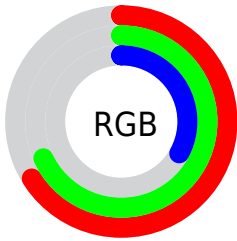
Format	Color
R_{YB}	83, 173, 87
Decimal	11119955
CIE _{Lab}	68.71, -14.20, 45.17
CIE _{LCh}	69, 47.352, 107.451
Y _{xy}	38.9467, 0.3831, 0.4540
Android (android.graphics.Color)	4289310035 (0xFFA9AD53)
YUV	161.5440, -38.7222, 6.5389
Hunter-Lab	62.4073, -15.2123, 30.4087

Details

The Yxy color **38.9467, 0.3831, 0.4540** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.2378, 0.2183, 0.1683**, and the grayscale version is **36.0827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4048, 0.3720, 0.4302**, and **17.4239, 0.3983, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **38.6282, 0.3935, 0.4733**, and if you desaturate by 10%, it is **39.3360, 0.3710, 0.4319**.

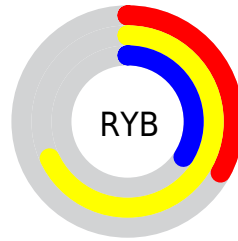
Distribution



Red (66%)

Green (68%)

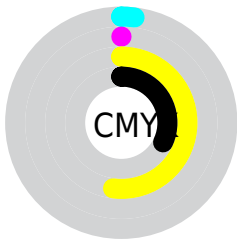
Blue (33%)



Red (33%)

Yellow (68%)

Blue (34%)

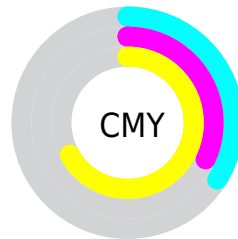


Cyan (2%)

Magenta (0%)

Yellow (52%)

Black (32%)



Cyan (34%)


Magenta (32%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9467, 0.3831, 0.4540 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 38.9467, 0.3831, 0.4540 by changing the saturation by 10% instead.


 38.9467, 0.3831,
0.4540


 38.9467, 0.3831,
0.4540

341.6638, 0.3498,
0.3896


 26.7183, 0.3901,
0.4699


 73.5569, 0.3718,
0.4306

 17.3617, 0.3979,
0.4897

 96.7074, 0.3673,
0.4217


 10.4927, 0.4060,
0.5147


 124.2675, 0.3634,
0.4143

 5.7269, 0.4178,
0.5530

 156.6214, 0.3600,
0.4079

 2.6797, 0.4134,
0.5866

 194.1536, 0.3569,
0.4024

 0.9669, 0.3709,
0.6291

237.2485, 0.3543,

 0.0000, 0.0000,

0.3976

0.0000

286.2904, 0.3519,
0.3934

■ 38.9467, 0.3831,
0.4540

■ 38.9467, 0.3831,
0.4540

■ 38.6282, 0.3935,
0.4733

■ 39.3360, 0.3710,
0.4319

■ 38.3700, 0.4016,
0.4890

■ 39.7952, 0.3576,
0.4080

■ 38.1682, 0.4073,
0.5005

■ 40.3303, 0.3436,
0.3831

■ 38.0159, 0.4104,
0.5078

■ 40.9451, 0.3294,
0.3581

■ 37.9179, 0.4116,
0.5114

■ 41.6432, 0.3155,
0.3338

■ 42.4279, 0.3021,
0.3105

■ 43.3023, 0.2894,
0.2887

■ 44.2695, 0.2776,
0.2685

■ 45.3323, 0.2667,
0.2499

Harmonies

Analogous

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



38.9467, 0.4339, 0.4200



38.9467, 0.3831, 0.4540



38.9467, 0.3166, 0.4501

Triad

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



38.9467, 0.3831, 0.4540



38.9467, 0.1903, 0.2637



38.9467, 0.3678, 0.2707

Complementary

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



38.9467, 0.3831, 0.4540



11.2378, 0.2183, 0.1683

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.



38.9467, 0.2959, 0.2368



38.9467, 0.3831, 0.4540



38.9467, 0.2002, 0.2295

Square

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



38.9467, 0.3831, 0.4540



38.9467, 0.2078, 0.3249



38.9467, 0.2363, 0.2218



38.9467, 0.4282, 0.3175

Rectangle

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



38.9467, 0.3831, 0.4540



38.9467, 0.2724, 0.4203



38.9467, 0.2363, 0.2218



38.9467, 0.3438, 0.2576

Sweetspot

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



38.9485, 0.3831, 0.4540



72.8337, 0.3355, 0.3687



16.1706, 0.4568, 0.3338



15.7812, 0.3383, 0.3737



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.



38.9485, 0.3831, 0.4540



69.1178, 0.3944, 0.4752



34.8774, 0.3399, 0.4748



9.3117, 0.3256, 0.3515



27.8597, 0.4117, 0.5113



0.7805, 0.4141, 0.5094

Inverse Universe

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



11.2378, 0.2183, 0.1683



14.1934, 0.1962, 0.1317



14.0354, 0.2659, 0.1866



7.7737, 0.2992, 0.3056



2.2600, 0.1518, 0.0610



0.0683, 0.1594, 0.0652

Previews

White Background



This preview shows how the Yxy color 38.9467, 0.3831, 0.4540 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 38.9467, 0.3831, 0.4540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

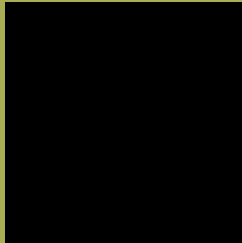
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9467, 0.3831, 0.4540

Background



This preview shows how black text looks on a background with the Yxy color 38.9467, 0.3831, 0.4540.



This preview shows how white text looks on a background with the Yxy color 38.9467, 0.3831, 0.4540.

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

38.9467, 0.3831, 0.4540

Protanopia

38.9136, 0.4041, 0.4430

Deuteranopia

38.9353, 0.4275, 0.4193



Tritanopia

38.9127, 0.3163, 0.3115

Trichromacy



Original Color

38.9467, 0.3831, 0.4540

Protanomaly

38.9424, 0.3959, 0.4470

Deuteranomaly

38.9036, 0.4114, 0.4316

Tritanomaly

38.7044, 0.3425, 0.3643

Monochromacy



Original Color

38.9467, 0.3831, 0.4540

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.9652, 0.3410, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9467, 0.3831, 0.4540 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(169, 173, 83)` looks like.

```
.text, #text, p{  
    color:rgb(169, 173, 83)  
}
```

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(169, 173, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 173, 83) }
```

Border

The CSS property to change the border of an element to Yxy 38.9467, 0.3831, 0.4540 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(169, 173, 83) }
```

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

```
.border{ border-color:rgb(169, 173, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 173, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 173, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 173, 83);  
box-shadow:4px 4px 4px 4px rgb(169, 173,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9467, 0.3831, 0.4540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 173, 83) }
```

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

```
.background{ background-color: rgb(169,  
173, 83) }
```

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