

Converting Colors

$Y_{xy}(38.7297, 0.4172, 0.5069)$

Have a look what the booklet for
Yxy(38.7297, 0.4172, 0.5069)
contains.

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Color

Yxy(38.5451, 0.4173, 0.5068)

Conversions

Conversions Part 1

Format	Color
Hex	ABAD00
RGB	171, 173, 0
RGB Percent	67%, 68%, 0%
CMY	0.3294, 0.3215, 0.9992
CMYK	0.01, 0.00, 1.00, 0.32
HSL	61°, 100%, 34%
HSV	61°, 100%, 68%
XYZ	31.7381, 38.5451, 5.7726
YIQ	152.6800, 54.3410, -54.2270

Conversions

Conversions Part 2

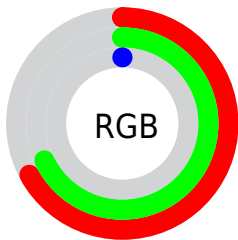
Format	Color
RYB	0, 173, 2
Decimal	11250944
CIELab	68.42, -17.00, 70.42
CIELCh	68, 72.441, 103.570
Yxy	38.5451, 0.4173, 0.5068
Android (android.graphics.Color)	4289441024 (0xFFABAD00)
YUV	152.6800, -75.2712, 16.0666
Hunter-Lab	62.0847, -17.3979, 37.9465

Details

The Yxy color **38.5451, 0.4173, 0.5068** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **3.0362, 0.1505, 0.0603**, and the grayscale version is **32.0354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8456, 0.4050, 0.4780**, and **17.2522, 0.4096, 0.5130** is the 20% darker color. If you saturate the color by 10%, you get **38.5462, 0.4173, 0.5068**, and if you desaturate by 10%, it is **38.6112, 0.4151, 0.5026**.

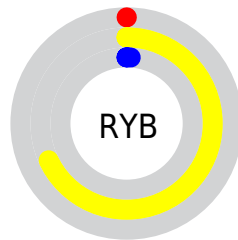
Distribution



Red (67%)

Green (68%)

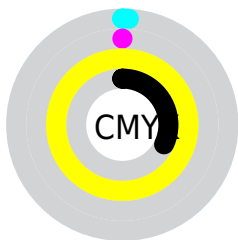
Blue (0%)



Red (0%)

Yellow (68%)

Blue (1%)

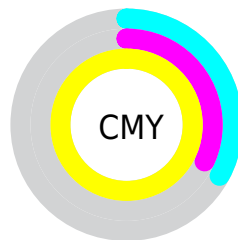


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (32%)



Cyan (33%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.5451, 0.4173, 0.5068 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 38.5451, 0.4173, 0.5068 by changing the saturation by 10% instead.

 38.5451, 0.4173,
0.5068

 38.5451, 0.4173,
0.5068


 339.9526, 0.3734,
0.4208


 26.4060, 0.4233,
0.5243


 72.9429, 0.4047,
0.4779

 17.1276, 0.4275,
0.5436


 95.9704, 0.3988,
0.4662


 10.3255, 0.4313,
0.5687


 123.3961, 0.3935,
0.4560

 5.6153, 0.4183,
0.5817

 155.6045, 0.3886,
0.4471

 2.6126, 0.3975,
0.6025

 192.9800, 0.3843,
0.4393

 0.9330, 0.3355,
0.6645

 235.9069, 0.3803,

 0.0000, 0.0000,

0.4324

0.0000

284.7696, 0.3767,
0.4263

■ 38.5451, 0.4173,
0.5068

■ 38.5451, 0.4173,
0.5068

■ 38.5462, 0.4173,
0.5068

■ 38.6112, 0.4151,
0.5026

■ 38.7120, 0.4109,
0.4951

■ 38.8634, 0.4041,
0.4833

■ 39.0720, 0.3949,
0.4675

■ 39.3434, 0.3835,
0.4482

■ 39.6825, 0.3705,
0.4261

■ 40.0937, 0.3564,
0.4023

■ 40.5812, 0.3417,
0.3776

■ 41.1487, 0.3269,
0.3528

Harmonies

Analogous

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



38.5451, 0.4923, 0.4394



38.5451, 0.4173, 0.5068



38.5451, 0.3221, 0.5277

Triad

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



38.5451, 0.4173, 0.5068



38.5451, 0.1407, 0.2362



38.5451, 0.3803, 0.2369

Complementary

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



38.5451, 0.4173, 0.5068



3.0362, 0.1505, 0.0603

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.



38.5451, 0.2719, 0.1945



38.5451, 0.4173, 0.5068



38.5451, 0.1504, 0.1883

Square

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



38.5451, 0.4173, 0.5068



38.5451, 0.1654, 0.3317



38.5451, 0.1930, 0.1771



38.5451, 0.4801, 0.2971

Rectangle

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



38.5451, 0.4173, 0.5068



38.5451, 0.2584, 0.4899



38.5451, 0.1930, 0.1771



38.5451, 0.3425, 0.2203

Sweetspot

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



38.5469, 0.4173, 0.5068



71.7497, 0.3573, 0.4038



8.8898, 0.6398, 0.3300



15.5249, 0.3631, 0.4137



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.



38.5469, 0.4173, 0.5068



69.0227, 0.4173, 0.5069



31.8970, 0.3370, 0.5705



9.3254, 0.3261, 0.3514



28.3178, 0.4173, 0.5068



0.7892, 0.4180, 0.5063

Inverse Universe

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



3.0362, 0.1505, 0.0603



5.4204, 0.1503, 0.0602



5.0292, 0.2029, 0.0892



7.7615, 0.2987, 0.3056



2.2278, 0.1505, 0.0603



0.0634, 0.1525, 0.0614

Previews

White Background



This preview shows how the Yxy color 38.5451, 0.4173, 0.5068 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 38.5451, 0.4173, 0.5068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

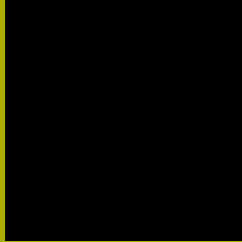
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5451, 0.4173, 0.5068

Background



This preview shows how black text looks on a background with the Yxy color 38.5451, 0.4173, 0.5068.



This preview shows how white text looks on a background with the Yxy color 38.5451, 0.4173, 0.5068.

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

38.5451, 0.4173, 0.5068

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

38.2299, 0.4668, 0.4577



Tritanopia

38.5741, 0.3230, 0.3129

Trichromacy



Original Color

38.5451, 0.4173, 0.5068

Protanomaly

38.3210, 0.4324, 0.4949

Deuteranomaly

37.9706, 0.4501, 0.4752

Tritanomaly

37.6198, 0.3762, 0.4060

Monochromacy



Original Color

38.5451, 0.4173, 0.5068

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.4783, 0.3703, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5451, 0.4173, 0.5068 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(171, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 173, 0)  
}
```

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(171, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 173, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.5451, 0.4173, 0.5068 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(171, 173, 0) }
```

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

```
.border{ border-color:rgb(171, 173, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 173, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 173,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5451, 0.4173, 0.5068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 173, 0) }
```

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

```
.background{ background-color: rgb(171,  
173, 0) }
```

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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