

Converting Colors

$Y_{xy}(38.7851, 0.3882, 0.4514)$

Have a look what the booklet for
Yxy(38.7851, 0.3882, 0.4514)
contains.

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Color

Yxy(38.9985, 0.3885, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	ADAC52
RGB	173, 172, 82
RGB Percent	68%, 67%, 32%
CMY	0.3215, 0.3255, 0.6783
CMYK	0.00, 0.01, 0.53, 0.32
HSL	59°, 36%, 50%
HSV	59°, 53%, 68%
XYZ	33.5123, 38.9985, 13.7500
YIQ	162.0390, 29.4860, -27.7780

Conversions

Conversions Part 2

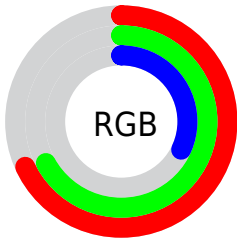
Format	Color
RYB	83, 173, 82
Decimal	11381842
CIELab	68.75, -12.07, 45.78
CIELCh	69, 47.345, 104.772
Yxy	38.9985, 0.3885, 0.4521
Android (android.graphics.Color)	4289571922 (0xFFADAC52)
YUV	162.0390, -39.4592, 9.6128
Hunter-Lab	62.4488, -13.4957, 30.6597

Details

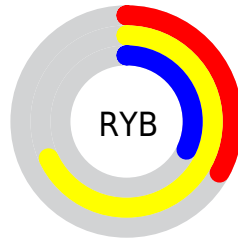
The Yxy color **38.9985, 0.3885, 0.4521** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.0068, 0.2138, 0.1666**, and the grayscale version is **36.3317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4824, 0.3761, 0.4291**, and **17.3834, 0.4042, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **38.6958, 0.3998, 0.4702**, and if you desaturate by 10%, it is **39.3713, 0.3754, 0.4310**.

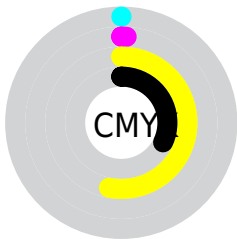
Distribution



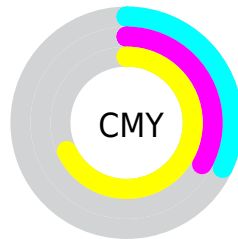
- Red (68%)
- Green (67%)
- Blue (32%)



- Red (33%)
- Yellow (68%)
- Blue (32%)



- Cyan (0%)
- Magenta (1%)
- Yellow (53%)
- Black (32%)





- Cyan (32%)
- Magenta (33%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9985, 0.3885, 0.4521 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 38.9985, 0.3885, 0.4521 by changing the saturation by 10% instead.


 38.9985, 0.3885,
0.4521


 38.9985, 0.3885,
0.4521


341.8841, 0.3524,
0.3892


 26.7586, 0.3962,
0.4674


 73.6360, 0.3762,
0.4293

 17.3920, 0.4049,
0.4864


 96.8024, 0.3713,
0.4207


 10.5144, 0.4141,
0.5100


 124.3797, 0.3671,
0.4134

 5.7413, 0.4281,
0.5467

 156.7524, 0.3634,
0.4071

 2.6884, 0.4249,
0.5751

 194.3047, 0.3601,
0.4017

 0.9713, 0.3919,
0.6081

237.4212, 0.3572,

 0.0000, 0.0000,

0.3970

0.0000

286.4862, 0.3547,
0.3929

■ 38.9985, 0.3885,
0.4521

■ 38.9985, 0.3885,
0.4521

■ 38.6958, 0.3998,
0.4702

■ 39.3713, 0.3754,
0.4310

■ 38.4527, 0.4089,
0.4847

■ 39.8134, 0.3612,
0.4079

■ 38.2652, 0.4154,
0.4950

■ 40.3308, 0.3462,
0.3836

■ 38.1264, 0.4194,
0.5011

■ 40.9272, 0.3312,
0.3591

■ 38.0437, 0.4213,
0.5037

■ 41.6063, 0.3164,
0.3351

■ 42.3714, 0.3023,
0.3120

■ 43.2257, 0.2890,
0.2902

■ 44.1722, 0.2767,
0.2700

■ 45.2137, 0.2653,
0.2514

Harmonies

Analogous

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



38.9985, 0.4370, 0.4159



38.9985, 0.3885, 0.4521



38.9985, 0.3227, 0.4524

Triad

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



38.9985, 0.3885, 0.4521



38.9985, 0.1908, 0.2682



38.9985, 0.3614, 0.2670

Complementary

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



38.9985, 0.3885, 0.4521



11.0068, 0.2138, 0.1666

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.



38.9985, 0.2899, 0.2347



38.9985, 0.3885, 0.4521



38.9985, 0.1983, 0.2315

Square

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



38.9985, 0.3885, 0.4521



38.9985, 0.2108, 0.3314



38.9985, 0.2321, 0.2215



38.9985, 0.4239, 0.3130

Rectangle

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



38.9985, 0.3885, 0.4521



38.9985, 0.2781, 0.4254



38.9985, 0.2321, 0.2215



38.9985, 0.3372, 0.2544

Sweetspot

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



39.0003, 0.3885, 0.4521



72.8747, 0.3367, 0.3682



15.5585, 0.4593, 0.3272



15.7912, 0.3397, 0.3730



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.



39.0003, 0.3885, 0.4521



69.2176, 0.4013, 0.4727



35.1723, 0.3444, 0.4744



9.3147, 0.3263, 0.3512



27.9499, 0.4212, 0.5037



0.7823, 0.4206, 0.5042

Inverse Universe

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



11.0068, 0.2138, 0.1666



13.6786, 0.1908, 0.1286



13.4934, 0.2597, 0.1828



7.7710, 0.2985, 0.3058



2.2529, 0.1503, 0.0609



0.0672, 0.1514, 0.0648

Previews

White Background



This preview shows how the Yxy color 38.9985, 0.3885, 0.4521 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 38.9985, 0.3885, 0.4521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

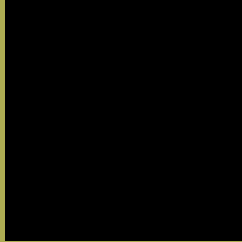
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9985, 0.3885, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 38.9985, 0.3885, 0.4521.



This preview shows how white text looks on a background with the Yxy color 38.9985, 0.3885, 0.4521.

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

38.9985, 0.3885, 0.4521

Protanopia

39.0384, 0.4051, 0.4426

Deuteranopia

38.9193, 0.4283, 0.4203



Tritanopia

38.8809, 0.3201, 0.3116

Trichromacy



Original Color

38.9985, 0.3885, 0.4521

Protanomaly

38.7938, 0.3993, 0.4461

Deuteranomaly

38.6603, 0.4140, 0.4311

Tritanomaly

38.7792, 0.3476, 0.3640

Monochromacy



Original Color

38.9985, 0.3885, 0.4521

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.0729, 0.3420, 0.3774

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9985, 0.3885, 0.4521 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(173, 172, 82)` looks like.

```
.text, #text, p{  
    color:rgb(173, 172, 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(173, 172, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 172, 82) }
```

Border

The CSS property to change the border of an element to Yxy 38.9985, 0.3885, 0.4521 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(173, 172, 82) }
```

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

```
.border{ border-color:rgb(173, 172, 82) }
```

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

Here you see how a box with a 4 pixel rgb(173, 172, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 172, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 172, 82);  
box-shadow:4px 4px 4px 4px rgb(173, 172,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9985, 0.3885, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 172, 82) }
```

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

```
.background{ background-color: rgb(173,  
172, 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](#).

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