

Converting Colors

$Y_{xy}(40.2999, 0.3841, 0.4571)$

Have a look what the booklet for
Yxy(40.2999, 0.3841, 0.4571)
contains.

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Color

Yxy(40.3178, 0.3840, 0.4574)

Conversions

Conversions Part 1

Format	Color
Hex	ABB052
RGB	171, 176, 82
RGB Percent	67%, 69%, 32%
CMY	0.3293, 0.3098, 0.6784
CMYK	0.03, 0.00, 0.53, 0.31
HSL	63°, 37%, 51%
HSV	63°, 53%, 69%
XYZ	33.8479, 40.3178, 13.9799
YIQ	163.7890, 27.1940, -30.2940

Conversions

Conversions Part 2

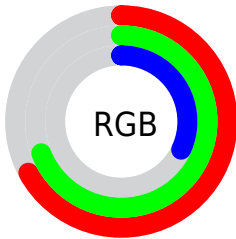
Format	Color
RYB	82, 176, 87
Decimal	11251794
CIELab	69.70, -14.97, 46.85
CIELCh	70, 49.187, 107.719
Yxy	40.3178, 0.3840, 0.4574
Android (android.graphics.Color)	4289441874 (0xFFABB052)
YUV	163.7890, -40.3220, 6.3240
Hunter-Lab	63.4963, -15.9657, 31.3936

Details

The Yxy color **40.3178, 0.3840, 0.4574** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **11.1932, 0.2160, 0.1636**, and the grayscale version is **37.2073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3670, 0.3730, 0.4333**, and **18.2220, 0.3975, 0.4946** is the 20% darker color. If you saturate the color by 10%, you get **39.9812, 0.3939, 0.4764**, and if you desaturate by 10%, it is **40.7276, 0.3722, 0.4355**.

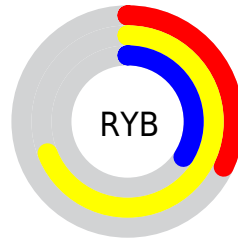
Distribution



Red (67%)

Green (69%)

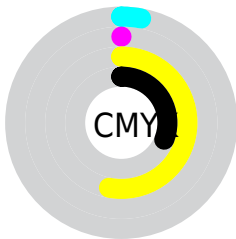
Blue (32%)



Red (32%)

Yellow (69%)

Blue (34%)

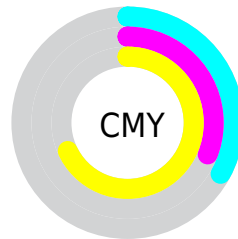


Cyan (3%)

Magenta (0%)

Yellow (53%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3178, 0.3840, 0.4574 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 40.3178, 0.3840, 0.4574 by changing the saturation by 10% instead.


 40.3178, 0.3840,
0.4574


 40.3178, 0.3840,
0.4574


347.4612, 0.3507,
0.3917


 27.7864, 0.3908,
0.4734


 75.6472, 0.3728,
0.4336

 18.1647, 0.3984,
0.4933


 99.2140, 0.3683,
0.4246


 11.0683, 0.4060,
0.5182


 127.2281, 0.3644,
0.4170

 6.1128, 0.4167,
0.5557

 160.0738, 0.3609,
0.4105

 2.9138, 0.4115,
0.5885

 198.1356, 0.3579,
0.4048

 1.0869, 0.3759,
0.6241

241.7978, 0.3552,

 0.0000, 0.0000,

0.3999

0.0000

291.4449, 0.3528,
0.3956

■ 40.3178, 0.3840,
0.4574

■ 40.3178, 0.3840,
0.4574

■ 39.9812, 0.3939,
0.4764

■ 40.7276, 0.3722,
0.4355

■ 39.7067, 0.4016,
0.4916

■ 41.2098, 0.3591,
0.4116

■ 39.4902, 0.4067,
0.5027

■ 41.7706, 0.3453,
0.3867

■ 39.3243, 0.4093,
0.5095

■ 42.4140, 0.3312,
0.3617

■ 39.2320, 0.4102,
0.5125

■ 43.1439, 0.3174,
0.3371

■ 43.9636, 0.3040,
0.3137

■ 44.8766, 0.2913,
0.2916

■ 45.8860, 0.2795,
0.2712

■ 46.9948, 0.2685,
0.2524

Harmonies

Analogous

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



40.3178, 0.4365, 0.4223



40.3178, 0.3840, 0.4574



40.3178, 0.3158, 0.4535

Triad

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



40.3178, 0.3840, 0.4574



40.3178, 0.1875, 0.2614



40.3178, 0.3699, 0.2696

Complementary

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



40.3178, 0.3840, 0.4574



11.1932, 0.2160, 0.1636

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.



40.3178, 0.2960, 0.2349



40.3178, 0.3840, 0.4574



40.3178, 0.1979, 0.2269

Square

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



40.3178, 0.3840, 0.4574



40.3178, 0.2050, 0.3239



40.3178, 0.2349, 0.2194



40.3178, 0.4317, 0.3174

Rectangle

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



40.3178, 0.3840, 0.4574



40.3178, 0.2707, 0.4225



40.3178, 0.2349, 0.2194



40.3178, 0.3452, 0.2563

Sweetspot

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



40.3196, 0.3840, 0.4574



76.5784, 0.3353, 0.3688



16.6064, 0.4617, 0.3361



16.5445, 0.3381, 0.3738



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.3196, 0.3840, 0.4574



72.4234, 0.3954, 0.4793



35.9654, 0.3389, 0.4798



9.8834, 0.3255, 0.3516



28.7949, 0.4103, 0.5124



0.9129, 0.4130, 0.5103

Inverse Universe

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



11.1932, 0.2160, 0.1636



14.0063, 0.1929, 0.1255



14.2122, 0.2660, 0.1832



8.2509, 0.2993, 0.3055



2.3521, 0.1520, 0.0611



0.0811, 0.1605, 0.0658

Previews

White Background



This preview shows how the Yxy color 40.3178, 0.3840, 0.4574 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 40.3178, 0.3840, 0.4574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

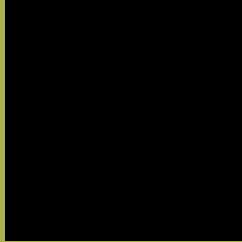
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3178, 0.3840, 0.4574

Background



This preview shows how black text looks on a background with the Yxy color 40.3178, 0.3840, 0.4574.



This preview shows how white text looks on a background with the Yxy color 40.3178, 0.3840, 0.4574.

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

40.3178, 0.3840, 0.4574

Protanopia

40.1475, 0.4074, 0.4443

Deuteranopia

40.0679, 0.4289, 0.4202



Tritanopia

40.3509, 0.3154, 0.3117

Trichromacy



Original Color

40.3178, 0.3840, 0.4574

Protanomaly

40.0442, 0.3982, 0.4489

Deuteranomaly

39.8954, 0.4120, 0.4329

Tritanomaly

40.1102, 0.3419, 0.3653

Monochromacy



Original Color

40.3178, 0.3840, 0.4574

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9420, 0.3415, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3178, 0.3840, 0.4574 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, 176, 82)` looks like.

```
.text, #text, p{  
    color:rgb(171, 176, 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(171, 176, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 176, 82) }
```

Border

The CSS property to change the border of an element to Yxy 40.3178, 0.3840, 0.4574 is called "border". The border property can be set on classes, ids or directly on the HTML element.

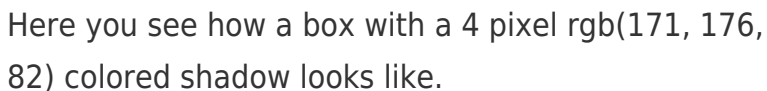
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 176, 82) }
```

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

```
.border{ border-color:rgb(171, 176, 82) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 176, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 176, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 176, 82);  
box-shadow:4px 4px 4px 4px rgb(171, 176,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3178, 0.3840, 0.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 176, 82) }
```

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

```
.background{ background-color: rgb(171,  
176, 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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