

Converting Colors

$Y_{xy}(40.4052, 0.3776, 0.4174)$

Have a look what the booklet for
Yxy(40.4052, 0.3776, 0.4174)
contains.

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Color

Yxy(40.3903, 0.3773, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	B5AC6B
RGB	181, 172, 107
RGB Percent	71%, 67%, 42%
CMY	0.2903, 0.3254, 0.5805
CMYK	0.00, 0.05, 0.41, 0.29
HSL	53°, 33%, 56%
HSV	53°, 41%, 71%
XYZ	36.4576, 40.3903, 19.7797
YIQ	167.2810, 26.2290, -18.3070

Conversions

Conversions Part 2

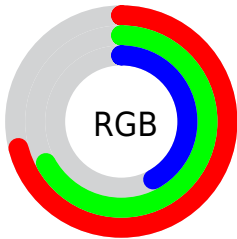
Format	Color
RYB	117, 181, 107
Decimal	11906155
CIELab	69.75, -6.31, 34.57
CIELCh	70, 35.139, 100.341
Yxy	40.3903, 0.3773, 0.4180
Android (android.graphics.Color)	4290096235 (0xFFB5AC6B)
YUV	167.2810, -29.7185, 12.0316
Hunter-Lab	63.5534, -8.8214, 26.0346

Details

The Yxy color **40.3903, 0.3773, 0.4180** is a light color, and the websafe version is hex **999966**. A complement of this color would be **18.9388, 0.2404, 0.2206**, and the grayscale version is **38.9248, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6185, 0.3662, 0.4014**, and **18.2505, 0.3944, 0.4435** is the 20% darker color. If you saturate the color by 10%, you get **39.2226, 0.3929, 0.4380**, and if you desaturate by 10%, it is **41.6552, 0.3611, 0.3965**.

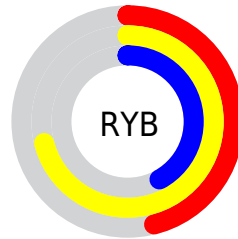
Distribution



Red (71%)

Green (67%)

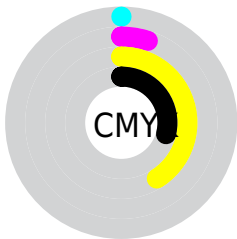
Blue (42%)



Red (46%)

Yellow (71%)

Blue (42%)

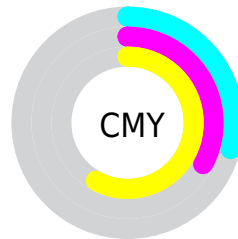


Cyan (0%)

Magenta (5%)

Yellow (41%)

Black (29%)



Cyan (29%)


Magenta (33%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3903, 0.3773, 0.4180 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 40.3903, 0.3773, 0.4180 by changing the saturation by 10% instead.

 40.3903, 0.3773,
0.4180


 40.3903, 0.3773,
0.4180


347.7659, 0.3454,
0.3726

 27.8430, 0.3849,
0.4293


 75.7575, 0.3659,
0.4014


 18.2073, 0.3941,
0.4437


 99.3461, 0.3616,
0.3952

 11.0989, 0.4056,
0.4622


 127.3840, 0.3579,
0.3900

 6.1334, 0.4195,
0.4866

 160.2556, 0.3547,
0.3855

 2.9264, 0.4561,
0.5439

198.3451, 0.3519,
0.3816

 1.0934, 0.4437,
0.5563

242.0371, 0.3494,

 0.0000, 0.0000,

0.3782

0.0000

291.7159, 0.3473,
0.3752

■ 40.3903, 0.3773,
0.4180

■ 40.3903, 0.3773,
0.4180

■ 39.2226, 0.3929,
0.4380

■ 41.6552, 0.3611,
0.3965

■ 38.1414, 0.4074,
0.4554

■ 43.0164, 0.3448,
0.3743

■ 37.1430, 0.4199,
0.4695

■ 44.4800, 0.3290,
0.3523

■ 36.2209, 0.4300,
0.4794

■ 46.0501, 0.3140,
0.3309

■ 35.3676, 0.4375,
0.4850

■ 47.7303, 0.2999,
0.3105

■ 34.6355, 0.4423,
0.4870

■ 49.5244, 0.2870,
0.2914

■ 51.4356, 0.2751,
0.2737

■ 53.4673, 0.2643,
0.2574

■ 54.6278, 0.2627,
0.2568

Harmonies

Analogous

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



40.3903, 0.4091, 0.3916



40.3903, 0.3773, 0.4180



40.3903, 0.3296, 0.4196

Triad

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



40.3903, 0.3773, 0.4180



40.3903, 0.2210, 0.2914



40.3903, 0.3414, 0.2777

Complementary

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



40.3903, 0.3773, 0.4180



18.9388, 0.2404, 0.2206

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.



40.3903, 0.2892, 0.2544



40.3903, 0.3773, 0.4180



40.3903, 0.2235, 0.2592

Square

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



40.3903, 0.3773, 0.4180



40.3903, 0.2406, 0.3399



40.3903, 0.2472, 0.2472



40.3903, 0.3886, 0.3127

Rectangle

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



40.3903, 0.3773, 0.4180



40.3903, 0.2957, 0.4029



40.3903, 0.2472, 0.2472



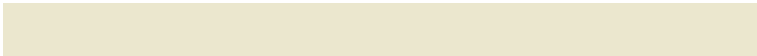
40.3903, 0.3237, 0.2684

Sweetspot

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



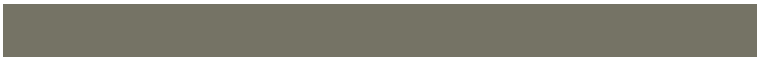
40.3922, 0.3773, 0.4180



79.3303, 0.3311, 0.3551



21.6138, 0.4008, 0.3149



17.0724, 0.3331, 0.3579



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.3922, 0.3773, 0.4180



70.4829, 0.3913, 0.4359



40.9543, 0.3472, 0.4379



9.7274, 0.3266, 0.3488



23.9516, 0.4420, 0.4873



0.8027, 0.4349, 0.4929

Inverse Universe

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



18.9388, 0.2404, 0.2206



26.8748, 0.2224, 0.1922



18.9251, 0.2649, 0.2139



8.3905, 0.2985, 0.3084



2.7500, 0.1529, 0.0704



0.1394, 0.1627, 0.1058

Previews

White Background



This preview shows how the Yxy color 40.3903, 0.3773, 0.4180 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 40.3903, 0.3773, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

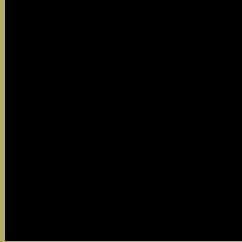
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3903, 0.3773, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 40.3903, 0.3773, 0.4180.



This preview shows how white text looks on a background with the Yxy color 40.3903, 0.3773, 0.4180.

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

40.3903, 0.3773, 0.4180

Protanopia

40.2292, 0.3842, 0.4152

Deuteranopia

40.2776, 0.4047, 0.3972



Tritanopia

40.5043, 0.3256, 0.3133

Trichromacy



Original Color

40.3903, 0.3773, 0.4180

Protanomaly

40.3568, 0.3817, 0.4171

Deuteranomaly

40.0909, 0.3948, 0.4047

Tritanomaly

40.3109, 0.3450, 0.3507

Monochromacy



Original Color

40.3903, 0.3773, 0.4180

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1909, 0.3364, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3903, 0.3773, 0.4180 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(181, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(181, 172, 107)  
}
```

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(181, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 172, 107) }
```

Border

The CSS property to change the border of an element to Yxy 40.3903, 0.3773, 0.4180 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(181, 172, 107) }
```

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

```
.border{ border-color:rgb(181, 172, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 172, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(181, 172,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3903, 0.3773, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 172, 107) }
```

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

```
.background{ background-color: rgb(181,  
172, 107) }
```

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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