

Converting Colors

$Y_{xy}(40.7986, 0.3518, 0.3800)$

Have a look what the booklet for
Yxy(40.7986, 0.3518, 0.3800)
contains.

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Color

Yxy(40.8380, 0.3513, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	B3AC87
RGB	179, 172, 135
RGB Percent	70%, 67%, 53%
CMY	0.2979, 0.3255, 0.4705
CMYK	0.00, 0.04, 0.25, 0.30
HSL	50°, 22%, 62%
HSV	50°, 25%, 70%
XYZ	37.7239, 40.8380, 28.8218
YIQ	169.8750, 16.0490, -10.0230

Conversions

Conversions Part 2

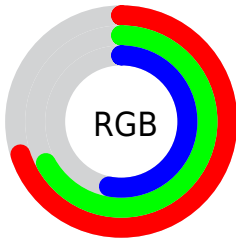
Format	Color
RYB	143, 179, 135
Decimal	11775111
CIELab	70.06, -3.51, 19.97
CIELCh	70, 20.274, 99.970
Yxy	40.8380, 0.3513, 0.3803
Android (android.graphics.Color)	4289965191 (0xFFB3AC87)
YUV	169.8750, -17.1934, 8.0026
Hunter-Lab	63.9046, -6.4618, 17.9927

Details

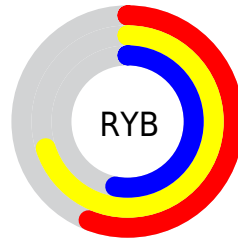
The Yxy color **40.8380, 0.3513, 0.3803** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.7746, 0.2723, 0.2719**, and the grayscale version is **40.2180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2312, 0.3444, 0.3708**, and **18.5244, 0.3627, 0.3962** is the 20% darker color. If you saturate the color by 10%, you get **39.2975, 0.3681, 0.4015**, and if you desaturate by 10%, it is **42.4905, 0.3350, 0.3590**.

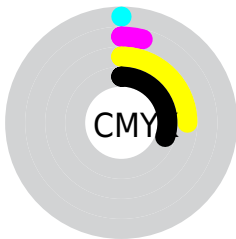
Distribution



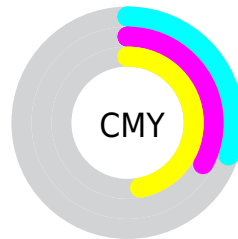
- Red (70%)
- Green (67%)
- Blue (53%)



- Red (56%)
- Yellow (70%)
- Blue (53%)



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (30%)





- Cyan (30%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8380, 0.3513, 0.3803 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 40.8380, 0.3513, 0.3803 by changing the saturation by 10% instead.


 40.8380, 0.3513,
0.3803


 40.8380, 0.3513,
0.3803

349.6431, 0.3318,
0.3540

 28.1925, 0.3562,
0.3871


 76.4379, 0.3442,
0.3706

 18.4708, 0.3625,
0.3958


 100.1611, 0.3415,
0.3670

 11.2885, 0.3708,
0.4076


 128.3457, 0.3393,
0.3639

 6.2613, 0.3821,
0.4241

161.3761, 0.3373,
0.3614

 3.0046, 0.3983,
0.4488

199.6366, 0.3357,
0.3591

 1.1341, 0.4636,
0.5364

243.5117, 0.3342,

 0.0069, 0.0000,

0.3572

1.0000

293.3857, 0.3329,
0.3555

0.0000, 0.0000,
0.0000

40.8380, 0.3513,
0.3803

40.8380, 0.3513,
0.3803

39.2975, 0.3681,
0.4015

42.4905, 0.3350,
0.3590

37.8592, 0.3849,
0.4218

44.2536, 0.3195,
0.3382

36.5201, 0.4011,
0.4404

46.1330, 0.3050,
0.3184

35.2751, 0.4161,
0.4562

48.1323, 0.2917,
0.2997

34.1182, 0.4290,
0.4684

50.2550, 0.2795,
0.2823

■ 33.0427, 0.4395,
0.4763

■ 52.5043, 0.2685,
0.2663

■ 32.0407, 0.4471,
0.4797

■ 54.5343, 0.2615,
0.2569

■ 31.5194, 0.4506,
0.4804

■ 55.8063, 0.2619,
0.2603

■ 57.1028, 0.2623,
0.2637

Harmonies

Analogous

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



40.8380, 0.3686, 0.3669



40.8380, 0.3513, 0.3803



40.8380, 0.3240, 0.3795

Triad

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



40.8380, 0.3513, 0.3803



40.8380, 0.2582, 0.3089



40.8380, 0.3294, 0.2982

Complementary

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



40.8380, 0.3513, 0.3803



27.7746, 0.2723, 0.2719

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.



40.8380, 0.2993, 0.2839



40.8380, 0.3513, 0.3803



40.8380, 0.2594, 0.2888

Square

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



40.8380, 0.3513, 0.3803



40.8380, 0.2708, 0.3364



40.8380, 0.2740, 0.2803



40.8380, 0.3559, 0.3199

Rectangle

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



40.8380, 0.3513, 0.3803



40.8380, 0.3041, 0.3701



40.8380, 0.2740, 0.2803



40.8380, 0.3193, 0.2924

Sweetspot

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



40.8398, 0.3513, 0.3803



78.3994, 0.3233, 0.3434



28.8850, 0.3549, 0.3186



17.3277, 0.3242, 0.3446



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.



40.8398, 0.3513, 0.3803



71.4495, 0.3612, 0.3929



41.9377, 0.3355, 0.3921



9.6703, 0.3267, 0.3480



22.3412, 0.4502, 0.4807



0.7649, 0.4403, 0.4886

Inverse Universe

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



27.7746, 0.2723, 0.2719



43.6672, 0.2613, 0.2557



27.0439, 0.2855, 0.2633



8.4427, 0.2985, 0.3093



2.9740, 0.1543, 0.0754



0.1610, 0.1664, 0.1189

Previews

White Background



This preview shows how the Yxy color 40.8380, 0.3513, 0.3803 looks on a white background.

Color Contrast Check

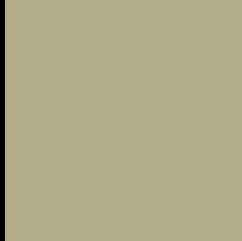
Large Text (above 18pt) WCAG AA × Fail

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 40.8380, 0.3513, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

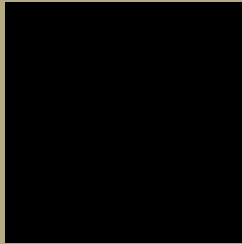
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

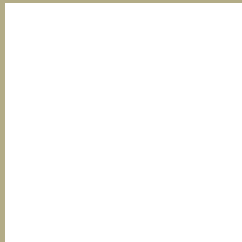
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8380, 0.3513, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 40.8380, 0.3513, 0.3803.



This preview shows how white text looks on a background with the Yxy color 40.8380, 0.3513, 0.3803.

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

40.8380, 0.3513, 0.3803

Protanopia

40.8202, 0.3545, 0.3785

Deuteranopia

40.6364, 0.3730, 0.3642



Tritanopia

40.8414, 0.3191, 0.3119

Trichromacy



Original Color

40.8380, 0.3513, 0.3803

Protanomaly

40.6988, 0.3535, 0.3787

Deuteranomaly

40.6215, 0.3648, 0.3705

Tritanomaly

40.7169, 0.3311, 0.3358

Monochromacy



Original Color

40.8380, 0.3513, 0.3803

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.4444, 0.3265, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8380, 0.3513, 0.3803 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(179, 172, 135)` looks like.

```
.text, #text, p{  
    color:rgb(179, 172, 135)  
}
```

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(179, 172, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 172, 135) }
```

Border

The CSS property to change the border of an element to Yxy 40.8380, 0.3513, 0.3803 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(179, 172, 135) }
```

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

```
.border{ border-color:rgb(179, 172, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 172, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 172, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 172, 135);  
box-shadow:4px 4px 4px 4px rgb(179, 172,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8380, 0.3513, 0.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 172, 135) }
```

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

```
.background{ background-color: rgb(179,  
172, 135) }
```

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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