

Converting Colors

$Y_{xy}(40.7386, 0.3202, 0.3321)$

Have a look what the booklet for
Yxy(40.7386, 0.3202, 0.3321)
contains.

Yxy(40.8067, 0.3199, 0.3318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.8067, 0.3199, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	B0AAA8
RGB	176, 170, 168
RGB Percent	69%, 67%, 66%
CMY	0.3098, 0.3333, 0.3413
CMYK	0.00, 0.03, 0.05, 0.31
HSL	15°, 5%, 67%
HSV	15°, 5%, 69%
XYZ	39.3432, 40.8067, 42.8360
YIQ	171.5660, 4.2180, 0.6500

Conversions

Conversions Part 2

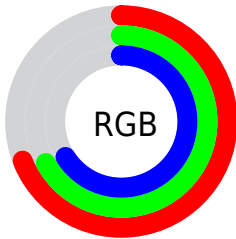
Format	Color
RYB	176, 171, 168
Decimal	11578024
CIELab	70.04, 1.77, 1.80
CIELCh	70, 2.522, 45.459
Yxy	40.8067, 0.3199, 0.3318
Android (android.graphics.Color)	4289768104 (0xFFB0AAA8)
YUV	171.5660, -1.7580, 3.8886
Hunter-Lab	63.8801, -1.8537, 4.9581

Details

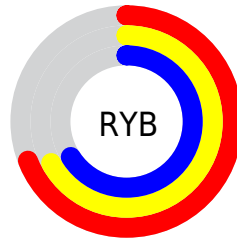
The Yxy color **40.8067, 0.3199, 0.3318** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.7105, 0.3058, 0.3262**, and the grayscale version is **41.0312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3339, 0.3189, 0.3311**, and **18.5029, 0.3227, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **35.5168, 0.3379, 0.3383**, and if you desaturate by 10%, it is **46.6806, 0.3049, 0.3258**.

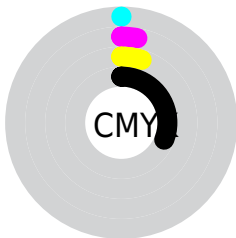
Distribution



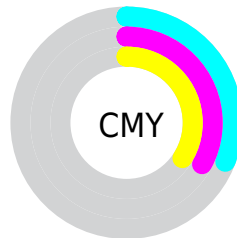
- Red (69%)
- Green (67%)
- Blue (66%)



- Red (69%)
- Yellow (67%)
- Blue (66%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (31%)




- Cyan (31%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8067, 0.3199, 0.3318 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 40.8067, 0.3199, 0.3318 by changing the saturation by 10% instead.

 40.8067, 0.3199,
0.3318

 40.8067, 0.3199,
0.3318


349.5121, 0.3162,
0.3304

 28.1681, 0.3208,
0.3322


 76.3904, 0.3185,
0.3313

 18.4524, 0.3221,
0.3326


 100.1042, 0.3180,
0.3311

 11.2753, 0.3238,
0.3333


128.2786, 0.3176,
0.3309

 6.2523, 0.3262,
0.3342

161.2979, 0.3173,
0.3308

 2.9991, 0.3299,
0.3355

199.5464, 0.3169,
0.3307

 1.1313, 0.3366,
0.3379

243.4088, 0.3167,

 0.0045, 0.9140,

0.3306

0.0860

293.2692, 0.3164,
0.3305

0.0000, 0.0000,
0.0000

40.8067, 0.3199,
0.3318

40.8067, 0.3199,
0.3318

35.5168, 0.3379,
0.3383

46.6806, 0.3049,
0.3258

30.7876, 0.3593,
0.3451

53.1503, 0.2922,
0.3203

26.6022, 0.3848,
0.3521

60.2338, 0.2817,
0.3152

22.9406, 0.4146,
0.3588

67.9470, 0.2727,
0.3106

19.7818, 0.4487,
0.3647

76.2424, 0.2656,
0.3075

■ 17.1032, 0.4861,
0.3688

■ 84.0681, 0.2673,
0.3221

■ 14.8804, 0.5249,
0.3701

■ 87.9688, 0.2681,
0.3289

■ 13.0867, 0.5616,
0.3676

■ 11.6922, 0.5920,
0.3610

Harmonies

Analogous

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



40.8067, 0.3185, 0.3286



40.8067, 0.3199, 0.3318



40.8067, 0.3194, 0.3343

Triad

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



40.8067, 0.3199, 0.3318



40.8067, 0.3099, 0.3326



40.8067, 0.3084, 0.3227

Complementary

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



40.8067, 0.3199, 0.3318



41.7105, 0.3058, 0.3262

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.



40.8067, 0.3061, 0.3237



40.8067, 0.3199, 0.3318



40.8067, 0.3070, 0.3294

Square

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



40.8067, 0.3199, 0.3318



40.8067, 0.3136, 0.3348



40.8067, 0.3056, 0.3262



40.8067, 0.3118, 0.3234

Rectangle

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



40.8067, 0.3199, 0.3318



40.8067, 0.3180, 0.3352



40.8067, 0.3056, 0.3262



40.8067, 0.3075, 0.3229

Sweetspot

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



40.8085, 0.3199, 0.3318



77.6679, 0.3143, 0.3296



40.2804, 0.3149, 0.3208



16.8445, 0.3142, 0.3296



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.



40.8085, 0.3199, 0.3318



73.4845, 0.3208, 0.3321



42.3216, 0.3195, 0.3372



9.3119, 0.3216, 0.3325



8.2140, 0.6044, 0.3583



0.3537, 0.5495, 0.4019

Inverse Universe

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



41.7105, 0.3058, 0.3262



75.3062, 0.3050, 0.3258



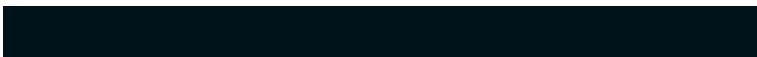
40.1977, 0.3059, 0.3207



9.5668, 0.3042, 0.3255



14.3667, 0.2016, 0.2458



0.5389, 0.2088, 0.2717

Previews

White Background



This preview shows how the Yxy color 40.8067, 0.3199, 0.3318 looks on a white background.

Color Contrast Check

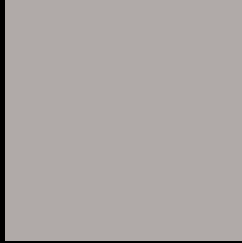
Large Text (above 18pt) WCAG AA × Fail

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 40.8067, 0.3199, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

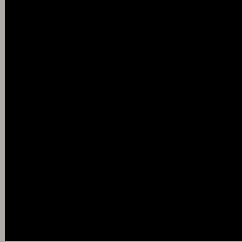
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

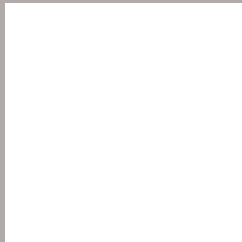
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8067, 0.3199, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 40.8067, 0.3199, 0.3318.

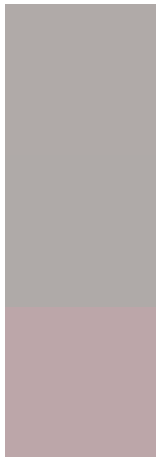


This preview shows how white text looks on a background with the Yxy color 40.8067, 0.3199, 0.3318.

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

40.8067, 0.3199, 0.3318

Protanopia

40.6906, 0.3190, 0.3318

Deuteranopia

40.8284, 0.3307, 0.3251



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

40.8067, 0.3199, 0.3318

Protanomaly

40.6906, 0.3190, 0.3318

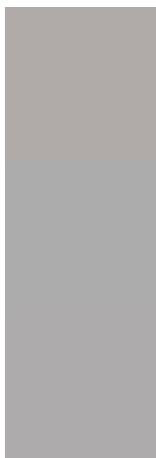
Deuteranomaly

40.6924, 0.3268, 0.3264

Tritanomaly

40.8576, 0.3141, 0.3196

Monochromacy



Original Color

40.8067, 0.3199, 0.3318

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.9503, 0.3145, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8067, 0.3199, 0.3318 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(176, 170, 168)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 168)  
}
```

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(176, 170, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.8067, 0.3199, 0.3318 is called "border". The border property can be set on classes, ids or directly on the HTML element.

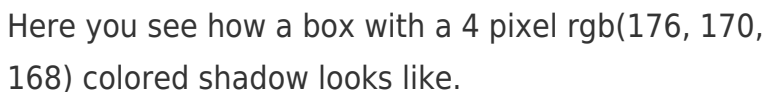
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 170, 168) }
```

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

```
.border{ border-color:rgb(176, 170, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 170, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 170, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 170, 168); box-shadow:4px 4px 4px 4px rgb(176, 170, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8067, 0.3199, 0.3318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 168) }
```

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

```
.background{ background-color: rgb(176,  
170, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor