

Converting Colors

$Yxy(38.4776, 0.3603, 0.3917)$

Have a look what the booklet for
Yxy(38.4776, 0.3603, 0.3917)
contains.

Yxy(38.2976, 0.3607, 0.3913)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.2976, 0.3607, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	B0A77B
RGB	176, 167, 123
RGB Percent	69%, 65%, 48%
CMY	0.3097, 0.3451, 0.5176
CMYK	0.00, 0.05, 0.30, 0.31
HSL	50°, 25%, 59%
HSV	50°, 30%, 69%
XYZ	35.3027, 38.2976, 24.2724
YIQ	164.6750, 19.4880, -11.7760

Conversions

Conversions Part 2

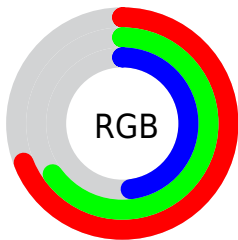
Format	Color
RYB	134, 176, 123
Decimal	11577211
CIELab	68.24, -3.69, 23.97
CIELCh	68, 24.254, 98.747
Yxy	38.2976, 0.3607, 0.3913
Android (android.graphics.Color)	4289767291 (0xFFB0A77B)
YUV	164.6750, -20.5458, 9.9320
Hunter-Lab	61.8851, -6.4725, 20.0649

Details

The Yxy color **38.2976, 0.3607, 0.3913** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.8592, 0.2622, 0.2578**, and the grayscale version is **37.5587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5329, 0.3515, 0.3792**, and **16.9668, 0.3749, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **36.8118, 0.3777, 0.4119**, and if you desaturate by 10%, it is **39.8916, 0.3440, 0.3702**.

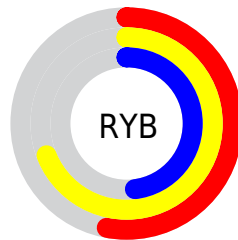
Distribution



Red (69%)

Green (65%)

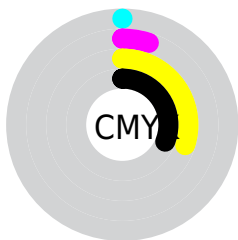
Blue (48%)



Red (53%)

Yellow (69%)

Blue (48%)

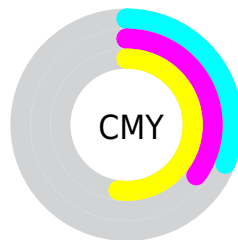


Cyan (0%)

Magenta (5%)

Yellow (30%)

Black (31%)



Cyan (31%)

Magenta (35%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.2976, 0.3607, 0.3913 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 38.2976, 0.3607, 0.3913 by changing the saturation by 10% instead.


 38.2976, 0.3607,
0.3913


 38.2976, 0.3607,
0.3913

338.8949, 0.3363,
0.3591


 26.2137, 0.3668,
0.3996


 72.5641, 0.3518,
0.3794

 16.9836, 0.3747,
0.4104


 95.5154, 0.3484,
0.3750

 10.2228, 0.3850,
0.4248


 122.8581, 0.3456,
0.3712

 5.5469, 0.3988,
0.4449

154.9765, 0.3432,
0.3681

 2.5716, 0.4227,
0.4798

192.2550, 0.3411,
0.3654

 0.9124, 0.4599,
0.5401

235.0779, 0.3393,

 0.0000, 0.0000,

0.3630

0.0000

283.8298, 0.3377,
0.3609

■ 38.2976, 0.3607,
0.3913

■ 38.2976, 0.3607,
0.3913

■ 36.8118, 0.3777,
0.4119

■ 39.8916, 0.3440,
0.3702

■ 35.4246, 0.3945,
0.4312

■ 41.5926, 0.3279,
0.3494

■ 34.1329, 0.4104,
0.4482

■ 43.4064, 0.3129,
0.3292

■ 32.9314, 0.4246,
0.4620

■ 45.3364, 0.2989,
0.3101

■ 31.8139, 0.4366,
0.4718

■ 47.3861, 0.2862,
0.2923

■ 30.7735, 0.4459,
0.4771

■ 49.5588, 0.2746,
0.2758

■ 29.8064, 0.4528,
0.4787

■ 51.8575, 0.2641,
0.2606

■ 53.7037, 0.2595,
0.2553

■ 55.0243, 0.2599,
0.2588

Harmonies

Analogous

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



38.2976, 0.3815, 0.3736



38.2976, 0.3607, 0.3913



38.2976, 0.3276, 0.3918

Triad

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



38.2976, 0.3607, 0.3913



38.2976, 0.2471, 0.3052



38.2976, 0.3314, 0.2909

Complementary

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



38.2976, 0.3607, 0.3913



23.8592, 0.2622, 0.2578

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.



38.2976, 0.2947, 0.2742



38.2976, 0.3607, 0.3913



38.2976, 0.2478, 0.2806

Square

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



38.2976, 0.3607, 0.3913



38.2976, 0.2627, 0.3392



38.2976, 0.2647, 0.2702



38.2976, 0.3644, 0.3165

Rectangle

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



38.2976, 0.3607, 0.3913



38.2976, 0.3034, 0.3807



38.2976, 0.2647, 0.2702



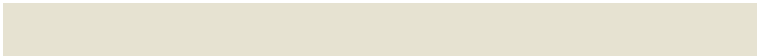
38.2976, 0.3190, 0.2841

Sweetspot

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



38.2993, 0.3607, 0.3913



75.7196, 0.3265, 0.3474



25.0867, 0.3665, 0.3148



16.3111, 0.3287, 0.3503



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.



38.2993, 0.3607, 0.3913



67.6641, 0.3718, 0.4048



39.8854, 0.3413, 0.4069



9.6555, 0.3267, 0.3478



21.9374, 0.4524, 0.4790



0.7552, 0.4417, 0.4875

Inverse Universe

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



23.8592, 0.2622, 0.2578



37.3488, 0.2498, 0.2395



22.8611, 0.2772, 0.2466



8.4563, 0.2985, 0.3095



3.0410, 0.1547, 0.0769



0.1666, 0.1673, 0.1222

Previews

White Background



This preview shows how the Yxy color 38.2976, 0.3607, 0.3913 looks on a white background.

Color Contrast Check

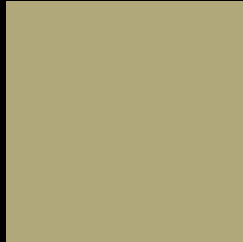
Large Text (above 18pt) WCAG AA × Fail

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 38.2976, 0.3607, 0.3913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

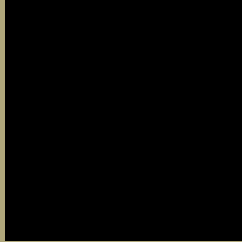
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.2976, 0.3607, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 38.2976, 0.3607, 0.3913.



This preview shows how white text looks on a background with the Yxy color 38.2976, 0.3607, 0.3913.

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

38.2976, 0.3607, 0.3913

Protanopia

38.2862, 0.3641, 0.3894

Deuteranopia

38.0127, 0.3826, 0.3743



Tritanopia

38.1038, 0.3221, 0.3115

Trichromacy



Original Color

38.2976, 0.3607, 0.3913

Protanomaly

38.1675, 0.3631, 0.3896

Deuteranomaly

38.1147, 0.3750, 0.3807

Tritanomaly

38.2642, 0.3363, 0.3401

Monochromacy



Original Color

38.2976, 0.3607, 0.3913

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.9095, 0.3296, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2976, 0.3607, 0.3913 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, 167, 123)` looks like.

```
.text, #text, p{  
    color:rgb(176, 167, 123)  
}
```

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, 167, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 167, 123) }
```

Border

The CSS property to change the border of an element to Yxy 38.2976, 0.3607, 0.3913 is called "border". The border property can be set on classes, ids or directly on the HTML element.

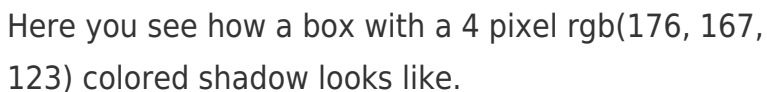
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 167, 123) }
```

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

```
.border{ border-color:rgb(176, 167, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 167, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 167, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 167, 123); box-shadow:4px 4px 4px 4px rgb(176, 167, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2976, 0.3607, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 167, 123) }
```

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

```
.background{ background-color: rgb(176,  
167, 123) }
```

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