

Converting Colors

Yxy(39.1603, 0.3616, 0.4174)

Have a look what the booklet for
Yxy(39.1603, 0.3616, 0.4174)
contains.

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Color

Yxy(38.9776, 0.3611, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	A8AC6F
RGB	168, 172, 111
RGB Percent	66%, 67%, 44%
CMY	0.3410, 0.3255, 0.5647
CMYK	0.02, 0.00, 0.35, 0.33
HSL	64°, 27%, 55%
HSV	64°, 35%, 67%
XYZ	33.7768, 38.9776, 20.7843
YIQ	163.8500, 17.1970, -19.8190

Conversions

Conversions Part 2

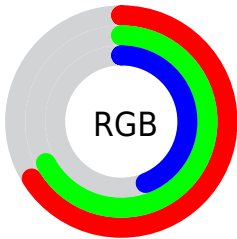
Format	Color
RYB	111, 172, 115
Decimal	11054191
CIELab	68.74, -11.08, 30.94
CIELCh	69, 32.862, 109.703
Yxy	38.9776, 0.3611, 0.4167
Android (android.graphics.Color)	4289244271 (0xFFA8AC6F)
YUV	163.8500, -26.0550, 3.6396
Hunter-Lab	62.4320, -12.6844, 23.9641

Details

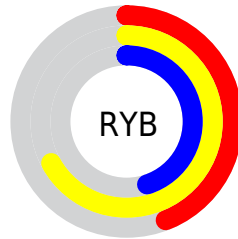
The Yxy color **38.9776, 0.3611, 0.4167** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.9915, 0.2537, 0.2260**, and the grayscale version is **37.1732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4298, 0.3529, 0.3998**, and **17.4256, 0.3736, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **38.5143, 0.3737, 0.4404**, and if you desaturate by 10%, it is **39.5184, 0.3476, 0.3919**.

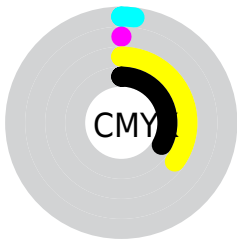
Distribution



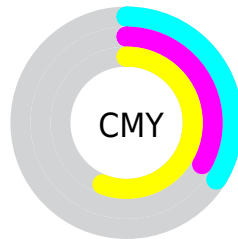
- Red (66%)
- Green (67%)
- Blue (44%)



- Red (44%)
- Yellow (67%)
- Blue (45%)



- Cyan (2%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (34%)
- Magenta (33%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9776, 0.3611, 0.4167 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 38.9776, 0.3611, 0.4167 by changing the saturation by 10% instead.


 38.9776, 0.3611,
0.4167


 38.9776, 0.3611,
0.4167


341.7952, 0.3372,
0.3709

 26.7423, 0.3667,
0.4285


 73.6041, 0.3526,
0.3997


 17.3798, 0.3736,
0.4439


 96.7641, 0.3494,
0.3934

 10.5056, 0.3821,
0.4644


 124.3344, 0.3466,
0.3882

 5.7355, 0.3921,
0.4927

 156.6995, 0.3442,
0.3837

 2.6849, 0.4216,
0.5586

194.2438, 0.3421,
0.3798

 0.9695, 0.4009,
0.5991

237.3515, 0.3403,

 0.0000, 0.0000,

0.3765

0.0000

286.4072, 0.3387,
0.3735

■ 38.9776, 0.3611,
0.4167

■ 38.9776, 0.3611,
0.4167

■ 38.5143, 0.3737,
0.4404

■ 39.5184, 0.3476,
0.3919

■ 38.1191, 0.3849,
0.4620

■ 40.1353, 0.3338,
0.3667

■ 37.7890, 0.3942,
0.4805


■ 40.8337, 0.3200,
0.3421

■ 37.5189, 0.4012,
0.4952

■ 41.6169, 0.3067,
0.3184

■ 37.3027, 0.4056,
0.5057


■ 42.4881, 0.2941,
0.2961


 37.1329, 0.4076,
0.5120

 43.4504, 0.2823,
0.2754

 37.0632, 0.4081,
0.5142

 44.5065, 0.2713,
0.2563

 45.6593, 0.2612,
0.2390

 46.1959, 0.2582,
0.2331

Harmonies

Analogous

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



38.9776, 0.3971, 0.3982



38.9776, 0.3611, 0.4167



38.9776, 0.3138, 0.4086

Triad

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



38.9776, 0.3611, 0.4167



38.9776, 0.2240, 0.2821



38.9776, 0.3552, 0.2897

Complementary

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



38.9776, 0.3611, 0.4167



17.9915, 0.2537, 0.2260

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.



38.9776, 0.3055, 0.2634



38.9776, 0.3611, 0.4167



38.9776, 0.2328, 0.2571

Square

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



38.9776, 0.3611, 0.4167



38.9776, 0.2363, 0.3242



38.9776, 0.2614, 0.2514



38.9776, 0.3948, 0.3255

Rectangle

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



38.9776, 0.3611, 0.4167



38.9776, 0.2825, 0.3872



38.9776, 0.2614, 0.2514



38.9776, 0.3389, 0.2796

Sweetspot

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



38.9794, 0.3611, 0.4167



73.3397, 0.3279, 0.3561



21.9656, 0.3938, 0.3339



15.9031, 0.3297, 0.3594



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



38.9794, 0.3611, 0.4167



70.0106, 0.3717, 0.4365



36.0921, 0.3323, 0.4257



9.3034, 0.3253, 0.3515



27.5929, 0.4082, 0.5141



0.7753, 0.4118, 0.5112

Inverse Universe

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



17.9915, 0.2537, 0.2260



25.8996, 0.2369, 0.1975



20.3282, 0.2852, 0.2345



7.7811, 0.2995, 0.3056



2.2795, 0.1525, 0.0614



0.0713, 0.1635, 0.0674

Previews

White Background



This preview shows how the Yxy color 38.9776, 0.3611, 0.4167 looks on a white background.

Color Contrast Check

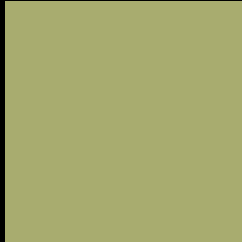
Large Text (above 18pt) WCAG AA × Fail

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 38.9776, 0.3611, 0.4167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

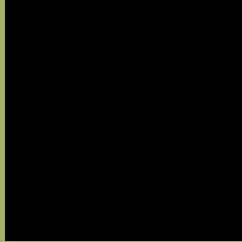
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9776, 0.3611, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 38.9776, 0.3611, 0.4167.



This preview shows how white text looks on a background with the Yxy color 38.9776, 0.3611, 0.4167.

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

38.9776, 0.3611, 0.4167

Protanopia

39.0545, 0.3787, 0.4102

Deuteranopia

38.6359, 0.3968, 0.3888



Tritanopia

38.9554, 0.3126, 0.3113

Trichromacy



Original Color

38.9776, 0.3611, 0.4167

Protanomaly

38.8488, 0.3723, 0.4116

Deuteranomaly

38.4345, 0.3833, 0.3982

Tritanomaly

38.8216, 0.3306, 0.3488

Monochromacy



Original Color

38.9776, 0.3611, 0.4167

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.6811, 0.3300, 0.3610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9776, 0.3611, 0.4167 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(168, 172, 111)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 111)  
}
```

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(168, 172, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 111) }
```

Border

The CSS property to change the border of an element to Yxy 38.9776, 0.3611, 0.4167 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(168, 172, 111) }
```

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

```
.border{ border-color:rgb(168, 172, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 111);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9776, 0.3611, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 111) }
```

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

```
.background{ background-color: rgb(168,  
172, 111) }
```

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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