

Converting Colors

$Y_{xy}(38.6551, 0.3102, 0.3050)$

Have a look what the booklet for
Yxy(38.6551, 0.3102, 0.3050)
contains.

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Color

Yxy(38.7198, 0.3101, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	B0A3B4
RGB	176, 163, 180
RGB Percent	69%, 64%, 71%
CMY	0.3098, 0.3608, 0.2942
CMYK	0.02, 0.09, 0.00, 0.29
HSL	286°, 10%, 67%
HSV	286°, 9%, 71%
XYZ	39.2386, 38.7198, 48.5769
YIQ	168.8250, 2.2910, 8.0430

Conversions

Conversions Part 2

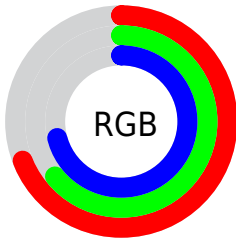
Format	Color
RYB	176, 163, 180
Decimal	11576244
CIELab	68.55, 7.87, -7.05
CIELCh	69, 10.567, 318.151
Yxy	38.7198, 0.3101, 0.3060
Android (android.graphics.Color)	4289766324 (0xFFB0A3B4)
YUV	168.8250, 5.5093, 6.2925
Hunter-Lab	62.2252, 3.6661, -2.7278

Details

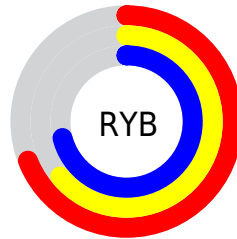
The Yxy color **38.7198, 0.3101, 0.3060** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.4953, 0.3150, 0.3526**, and the grayscale version is **39.5572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3547, 0.3108, 0.3102**, and **17.1121, 0.3089, 0.2989** is the 20% darker color. If you saturate the color by 10%, you get **32.2934, 0.3068, 0.2804**, and if you desaturate by 10%, it is **46.0745, 0.3129, 0.3303**.

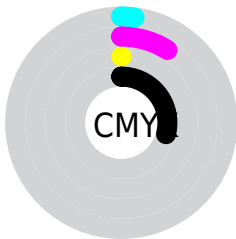
Distribution



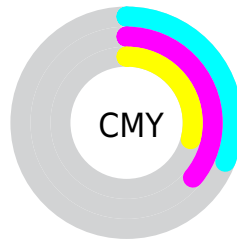
- Red (69%)
- Green (64%)
- Blue (71%)



- Red (69%)
- Yellow (64%)
- Blue (71%)



- Cyan (2%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)




- Cyan (31%)
- Magenta (36%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7198, 0.3101, 0.3060 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 38.7198, 0.3101, 0.3060 by changing the saturation by 10% instead.


 38.7198, 0.3101,
0.3060

 38.7198, 0.3101,
0.3060


340.6977, 0.3115,
0.3177

 26.5418, 0.3097,
0.3030


 73.2101, 0.3106,
0.3103

 17.2294, 0.3092,
0.2992


 96.2912, 0.3108,
0.3119

 10.3982, 0.3084,
0.2940


123.7754, 0.3110,
0.3132

 5.6638, 0.3073,
0.2866

156.0472, 0.3111,
0.3144

 2.6417, 0.3054,
0.2753

193.4909, 0.3113,
0.3154

 0.9477, 0.3017,
0.2559

236.4910, 0.3114,


 0.0000, 0.1102,


0.3162

0.0000

285.4318, 0.3114,
0.3170


 0.0000, 0.0000,
0.0000


 38.7198, 0.3101,
0.3060


 38.7198, 0.3101,
0.3060

 32.2934, 0.3068,
0.2804


 46.0745, 0.3129,
0.3303


 26.7519, 0.3028,
0.2541


 54.3885, 0.3151,
0.3531


 22.0559, 0.2982,
0.2278

 63.6978, 0.3169,
0.3741

 18.1611, 0.2930,
0.2023

 74.0346, 0.3182,
0.3933

 15.0190, 0.2873,
0.1789

 85.4301, 0.3193,
0.4107

■ 12.5758, 0.2812,
0.1586

■ 87.2791, 0.3218,
0.4119

■ 10.7704, 0.2750,
0.1422

■ 87.8737, 0.3244,
0.4112

■ 9.5312, 0.2687,
0.1303

■ 88.4845, 0.3272,
0.4105

■ 8.7198, 0.2626,
0.1223

■ 89.1118, 0.3299,
0.4098

Harmonies

Analogous

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



38.7198, 0.2953, 0.3025



38.7198, 0.3101, 0.3060



38.7198, 0.3259, 0.3153

Triad

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



38.7198, 0.3101, 0.3060



38.7198, 0.3406, 0.3520



38.7198, 0.2877, 0.3291

Complementary

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



38.7198, 0.3101, 0.3060



43.4953, 0.3150, 0.3526

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.



38.7198, 0.2993, 0.3433



38.7198, 0.3101, 0.3060



38.7198, 0.3299, 0.3566

Square

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



38.7198, 0.3101, 0.3060



38.7198, 0.3438, 0.3415



38.7198, 0.3147, 0.3535



38.7198, 0.2827, 0.3153

Rectangle

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



38.7198, 0.3101, 0.3060



38.7198, 0.3348, 0.3236



38.7198, 0.3147, 0.3535



38.7198, 0.2909, 0.3340

Sweetspot

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



38.7215, 0.3101, 0.3060



78.5362, 0.3119, 0.3217



38.8112, 0.2983, 0.3112



16.7411, 0.3117, 0.3198



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.



38.7215, 0.3101, 0.3060



68.0583, 0.3096, 0.3016



39.0223, 0.3175, 0.3119



8.5443, 0.3101, 0.3063



6.0890, 0.2630, 0.1222



0.2161, 0.2800, 0.1316

Inverse Universe

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



38.6876, 0.3253, 0.3236



67.9926, 0.3279, 0.3226



43.2229, 0.3083, 0.3468



8.5369, 0.3251, 0.3237



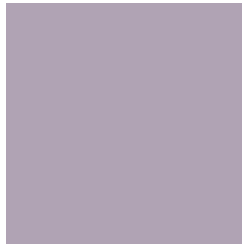
6.8990, 0.5943, 0.3048



0.2262, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 38.7198, 0.3101, 0.3060 looks on a white background.

Color Contrast Check

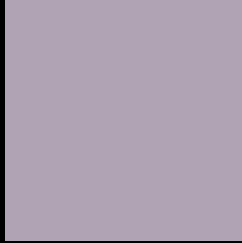
Large Text (above 18pt) WCAG AA × Fail

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 38.7198, 0.3101, 0.3060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

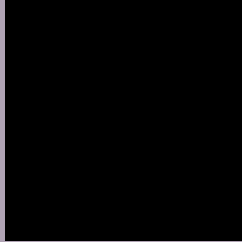
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7198, 0.3101, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 38.7198, 0.3101, 0.3060.



This preview shows how white text looks on a background with the Yxy color 38.7198, 0.3101, 0.3060.

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

38.7198, 0.3101, 0.3060

Protanopia

38.7568, 0.2993, 0.3068

Deuteranopia

38.6009, 0.3120, 0.3047



Tritanopia

38.7995, 0.3126, 0.3126

Trichromacy



Original Color

38.7198, 0.3101, 0.3060

Protanomaly

38.7925, 0.3037, 0.3070

Deuteranomaly

38.4831, 0.3111, 0.3047

Tritanomaly

38.8392, 0.3117, 0.3113

Monochromacy



Original Color

38.7198, 0.3101, 0.3060

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.4252, 0.3122, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7198, 0.3101, 0.3060 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, 163, 180)` looks like.

```
.text, #text, p{  
    color:rgb(176, 163, 180)  
}
```

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, 163, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 163, 180) }
```

Border

The CSS property to change the border of an element to Yxy 38.7198, 0.3101, 0.3060 is called "border". The border property can be set on classes, ids or directly on the HTML element.

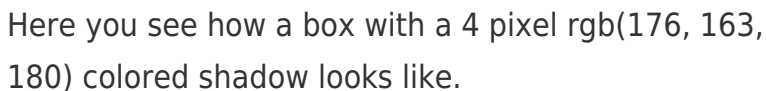
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 163, 180) }
```

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

```
.border{ border-color:rgb(176, 163, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 163, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 163, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 163, 180); box-shadow:4px 4px 4px 4px rgb(176, 163, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7198, 0.3101, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 163, 180) }
```

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

```
.background{ background-color: rgb(176,  
163, 180) }
```

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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