

Converting Colors

$Y_{xy}(38.1290, 0.3307, 0.3830)$

Have a look what the booklet for
Yxy(38.1290, 0.3307, 0.3830)
contains.

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Color

Yxy(38.0432, 0.3303, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	9DAB87
RGB	157, 171, 135
RGB Percent	62%, 67%, 53%
CMY	0.3845, 0.3294, 0.4706
CMYK	0.08, 0.00, 0.21, 0.33
HSL	83°, 18%, 60%
HSV	83°, 21%, 67%
XYZ	32.8343, 38.0432, 28.5299
YIQ	162.7100, 3.2120, -14.1640

Conversions

Conversions Part 2

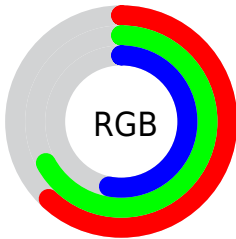
Format	Color
RYB	135, 171, 149
Decimal	10333063
CIELab	68.05, -11.46, 16.94
CIELCh	68, 20.452, 124.089
Yxy	38.0432, 0.3303, 0.3827
Android (android.graphics.Color)	4288523143 (0xFF9DAB87)
YUV	162.7100, -13.6610, -5.0077
Hunter-Lab	61.6792, -12.9160, 15.7506

Details

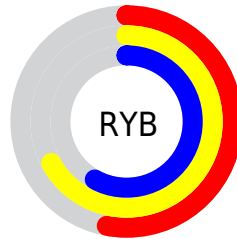
The Yxy color **38.0432, 0.3303, 0.3827** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.6598, 0.2922, 0.2741**, and the grayscale version is **36.5440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0206, 0.3276, 0.3720**, and **16.8528, 0.3346, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **36.9485, 0.3383, 0.4104**, and if you desaturate by 10%, it is **39.2552, 0.3220, 0.3563**.

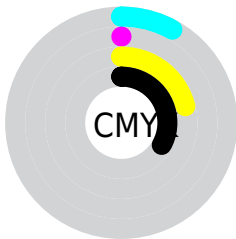
Distribution



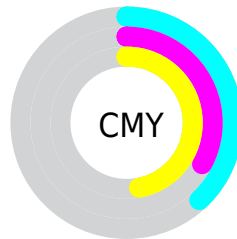
- Red (62%)
- Green (67%)
- Blue (53%)



- Red (53%)
- Yellow (67%)
- Blue (58%)



- Cyan (8%)
- Magenta (0%)
- Yellow (21%)
- Black (33%)





- Cyan (38%)
- Magenta (33%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0432, 0.3303, 0.3827 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 38.0432, 0.3303, 0.3827 by changing the saturation by 10% instead.


 38.0432, 0.3303,
0.3827

 38.0432, 0.3303,
0.3827


337.8053, 0.3216,
0.3543


 26.0162, 0.3324,
0.3903


 72.1743, 0.3272,
0.3720

 16.8358, 0.3351,
0.4004


 95.0473, 0.3260,
0.3681

 10.1175, 0.3385,
0.4143


 122.3044, 0.3250,
0.3649

 5.4769, 0.3429,
0.4349

154.3300, 0.3241,
0.3621

 2.5297, 0.3485,
0.4680

191.5084, 0.3233,
0.3597

 0.8915, 0.3890,
0.6110

234.2242, 0.3227,

 0.0000, 0.0000,

0.3577

0.0000

282.8617, 0.3221,
0.3559

■ 38.0432, 0.3303,
0.3827

■ 38.0432, 0.3303,
0.3827

■ 36.9485, 0.3383,
0.4104

■ 39.2552, 0.3220,
0.3563

■ 35.9620, 0.3456,
0.4385

■ 40.5836, 0.3136,
0.3315

■ 35.0806, 0.3517,
0.4662

■ 42.0338, 0.3054,
0.3087

■ 34.2994, 0.3562,
0.4923

■ 43.6095, 0.2976,
0.2879

■ 33.6129, 0.3586,
0.5154

■ 45.3140, 0.2902,
0.2691

■ 33.0150, 0.3587,
0.5345

■ 47.1506, 0.2832,
0.2521

■ 32.4985, 0.3565,
0.5486

■ 49.1226, 0.2768,
0.2369

■ 32.0925, 0.3530,
0.5579

■ 50.1029, 0.2816,
0.2380

■ 51.1049, 0.2867,
0.2393

Harmonies

Analogous

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



38.0432, 0.3571, 0.3803



38.0432, 0.3303, 0.3827



38.0432, 0.2997, 0.3687

Triad

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



38.0432, 0.3303, 0.3827



38.0432, 0.2563, 0.2907



38.0432, 0.3527, 0.3148

Complementary

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



38.0432, 0.3303, 0.3827



26.6598, 0.2922, 0.2741

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.



38.0432, 0.3238, 0.2936



38.0432, 0.3303, 0.3827



38.0432, 0.2688, 0.2795

Square

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



38.0432, 0.3303, 0.3827



38.0432, 0.2580, 0.3133



38.0432, 0.2931, 0.2809



38.0432, 0.3707, 0.3401

Rectangle

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



38.0432, 0.3303, 0.3827



38.0432, 0.2813, 0.3520



38.0432, 0.2931, 0.2809



38.0432, 0.3438, 0.3071

Sweetspot

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



38.0449, 0.3303, 0.3827



71.4427, 0.3178, 0.3438



31.8403, 0.3500, 0.3495



15.8989, 0.3183, 0.3453



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.



38.0449, 0.3303, 0.3827



67.2388, 0.3339, 0.3947



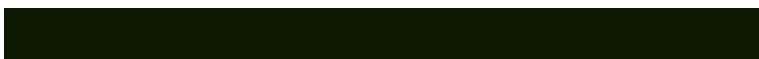
36.3863, 0.3138, 0.3855



9.1719, 0.3205, 0.3518



24.2192, 0.3537, 0.5574



0.7041, 0.3739, 0.5413

Inverse Universe

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



26.6598, 0.2922, 0.2741



43.3741, 0.2871, 0.2615



28.4611, 0.3107, 0.2771



7.9039, 0.3044, 0.3060



3.1371, 0.1844, 0.0790



0.1194, 0.2214, 0.0993

Previews

White Background



This preview shows how the Yxy color 38.0432, 0.3303, 0.3827 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 38.0432, 0.3303, 0.3827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

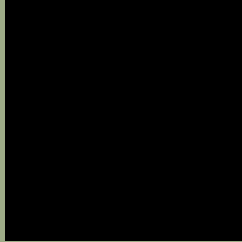
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0432, 0.3303, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 38.0432, 0.3303, 0.3827.



This preview shows how white text looks on a background with the Yxy color 38.0432, 0.3303, 0.3827.

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

38.0432, 0.3303, 0.3827

Protanopia

37.8063, 0.3532, 0.3759

Deuteranopia

37.6788, 0.3657, 0.3589



Tritanopia

37.9111, 0.2999, 0.3107

Trichromacy



Original Color

38.0432, 0.3303, 0.3827

Protanomaly

37.7659, 0.3447, 0.3782

Deuteranomaly

37.5557, 0.3531, 0.3670

Tritanomaly

37.8231, 0.3115, 0.3362

Monochromacy



Original Color

38.0432, 0.3303, 0.3827

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.1494, 0.3193, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0432, 0.3303, 0.3827 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(157, 171, 135)` looks like.

```
.text, #text, p{  
    color:rgb(157, 171, 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(157, 171, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 171, 135) }
```

Border

The CSS property to change the border of an element to Yxy 38.0432, 0.3303, 0.3827 is called "border". The border property can be set on classes, ids or directly on the HTML element.

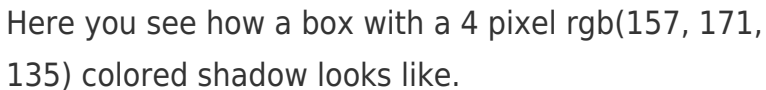
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 171, 135) }
```

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

```
.border{ border-color:rgb(157, 171, 135) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 171, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 171, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 171, 135); box-shadow:4px 4px 4px 4px rgb(157, 171, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0432, 0.3303, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 171, 135) }
```

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

```
.background{ background-color: rgb(157,  
171, 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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