

Converting Colors

$Y_{xy}(38.0220, 0.3252, 0.3759)$

Have a look what the booklet for
Yxy(38.0220, 0.3252, 0.3759)
contains.

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Color

Yxy(38.0872, 0.3251, 0.3752)

Conversions

Conversions Part 1

Format	Color
Hex	9CAB8C
RGB	156, 171, 140
RGB Percent	61%, 67%, 55%
CMY	0.3884, 0.3294, 0.4510
CMYK	0.09, 0.00, 0.18, 0.33
HSL	89°, 16%, 61%
HSV	89°, 18%, 67%
XYZ	33.0015, 38.0872, 30.4231
YIQ	162.9810, 1.0110, -12.8210

Conversions

Conversions Part 2

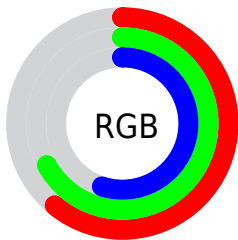
Format	Color
RYB	140, 171, 155
Decimal	10267532
CIELab	68.08, -11.01, 14.22
CIELCh	68, 17.985, 127.738
Yxy	38.0872, 0.3251, 0.3752
Android (android.graphics.Color)	4288457612 (0xFF9CAB8C)
YUV	162.9810, -11.3296, -6.1223
Hunter-Lab	61.7148, -12.5496, 13.9727

Details

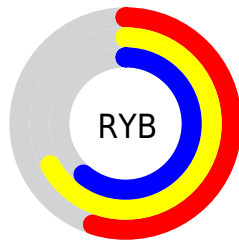
The Yxy color **38.0872, 0.3251, 0.3752** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.6710, 0.2984, 0.2827**, and the grayscale version is **36.6687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1366, 0.3230, 0.3652**, and **16.9351, 0.3288, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **36.8233, 0.3316, 0.4032**, and if you desaturate by 10%, it is **39.4894, 0.3183, 0.3489**.

Distribution



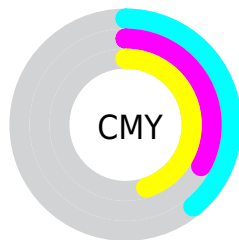
- Red (61%)
- Green (67%)
- Blue (55%)



- Red (55%)
- Yellow (67%)
- Blue (61%)



- Cyan (9%)
- Magenta (0%)
- Yellow (18%)
- Black (33%)




- Cyan (39%)
- Magenta (33%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0872, 0.3251, 0.3752 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 38.0872, 0.3251, 0.3752 by changing the saturation by 10% instead.


 38.0872, 0.3251,
0.3752


 38.0872, 0.3251,
0.3752


337.9939, 0.3190,
0.3508

 26.0504, 0.3266,
0.3817


 72.2418, 0.3229,
0.3660

 16.8613, 0.3284,
0.3904


 95.1283, 0.3221,
0.3627

 10.1357, 0.3308,
0.4024


 122.4002, 0.3214,
0.3599

 5.4890, 0.3340,
0.4203

154.4419, 0.3207,
0.3575

 2.5369, 0.3379,
0.4491

191.6377, 0.3202,
0.3555

 0.8951, 0.3940,
0.6060

234.3720, 0.3198,

 0.0000, 0.0000,

0.3537

0.0000

283.0293, 0.3193,
0.3522

■ 38.0872, 0.3251,
0.3752

■ 38.0872, 0.3251,
0.3752

■ 36.8233, 0.3316,
0.4032

■ 39.4894, 0.3183,
0.3489

■ 35.6879, 0.3375,
0.4323

■ 41.0295, 0.3114,
0.3246

■ 34.6778, 0.3424,
0.4616

■ 42.7132, 0.3048,
0.3025

■ 33.7874, 0.3459,
0.4899

■ 44.5446, 0.2983,
0.2826

■ 33.0109, 0.3475,
0.5158

■ 46.5277, 0.2923,
0.2647

■ 32.3416, 0.3470,
0.5378

■ 48.6661, 0.2866,
0.2487

■ 31.7720, 0.3444,
0.5549

■ 50.6561, 0.2844,
0.2387

■ 31.2902, 0.3399,
0.5669

■ 51.9374, 0.2908,
0.2403

■ 31.2068, 0.3390,
0.5690

■ 53.2832, 0.2973,
0.2420

Harmonies

Analogous

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



38.0872, 0.3494, 0.3751



38.0872, 0.3251, 0.3752



38.0872, 0.2982, 0.3613

Triad

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



38.0872, 0.3251, 0.3752



38.0872, 0.2636, 0.2936



38.0872, 0.3504, 0.3192

Complementary

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



38.0872, 0.3251, 0.3752



28.6710, 0.2984, 0.2827

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.



38.0872, 0.3259, 0.2997



38.0872, 0.3251, 0.3752



38.0872, 0.2761, 0.2848

Square

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



38.0872, 0.3251, 0.3752



38.0872, 0.2635, 0.3126



38.0872, 0.2986, 0.2872



38.0872, 0.3646, 0.3418

Rectangle

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



38.0872, 0.3251, 0.3752



38.0872, 0.2825, 0.3462



38.0872, 0.2986, 0.2872



38.0872, 0.3430, 0.3121

Sweetspot

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



38.0889, 0.3251, 0.3752



71.5240, 0.3162, 0.3413



33.9926, 0.3433, 0.3509



15.9091, 0.3167, 0.3430



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.



38.0889, 0.3251, 0.3752



67.2097, 0.3279, 0.3869



36.6452, 0.3109, 0.3772



9.1344, 0.3191, 0.3519



23.5526, 0.3397, 0.5685



0.6876, 0.3633, 0.5497

Inverse Universe

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



28.6710, 0.2984, 0.2827



47.0033, 0.2944, 0.2710



30.2989, 0.3142, 0.2849



7.9408, 0.3059, 0.3061



3.6336, 0.2011, 0.0881



0.1338, 0.2359, 0.1073

Previews

White Background



This preview shows how the Yxy color 38.0872, 0.3251, 0.3752 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 38.0872, 0.3251, 0.3752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

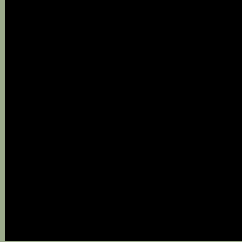
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

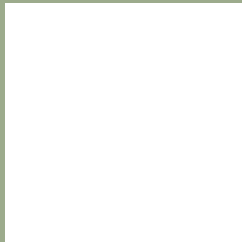
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.0872, 0.3251, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 38.0872, 0.3251, 0.3752.



This preview shows how white text looks on a background with the Yxy color 38.0872, 0.3251, 0.3752.

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

38.0872, 0.3251, 0.3752

Protanopia

37.8304, 0.3476, 0.3688

Deuteranopia

38.0418, 0.3595, 0.3535



Tritanopia

38.2085, 0.2982, 0.3107

Trichromacy



Original Color

38.0872, 0.3251, 0.3752

Protanomaly

37.7972, 0.3392, 0.3710

Deuteranomaly

37.9390, 0.3471, 0.3614

Tritanomaly

38.1955, 0.3080, 0.3333

Monochromacy



Original Color

38.0872, 0.3251, 0.3752

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.1126, 0.3166, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0872, 0.3251, 0.3752 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(156, 171, 140)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 140)  
}
```

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(156, 171, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 140) }
```

Border

The CSS property to change the border of an element to Yxy 38.0872, 0.3251, 0.3752 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(156, 171, 140) }
```

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

```
.border{ border-color:rgb(156, 171, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 171, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 171, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 171, 140);  
box-shadow:4px 4px 4px 4px rgb(156, 171,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0872, 0.3251, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 140) }
```

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

```
.background{ background-color: rgb(156,  
171, 140) }
```

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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