

Converting Colors

$Y_{xy}(38.4000, 0.3152, 0.3257)$

Have a look what the booklet for
Yxy(38.4000, 0.3152, 0.3257)
contains.

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Color

Yxy(38.2835, 0.3148, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	AAA5A8
RGB	170, 165, 168
RGB Percent	67%, 65%, 66%
CMY	0.3332, 0.3530, 0.3412
CMYK	0.00, 0.03, 0.01, 0.33
HSL	324°, 3%, 66%
HSV	324°, 3%, 67%
XYZ	37.1048, 38.2835, 42.4796
YIQ	166.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

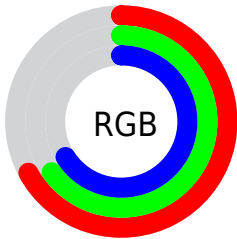
Format	Color
RYB	170, 165, 168
Decimal	11183528
CIELab	68.23, 2.37, -0.92
CIELCh	68, 2.542, 338.836
Yxy	38.2835, 0.3148, 0.3248
Android (android.graphics.Color)	4289373608 (0xFFAAA5A8)
YUV	166.8370, 0.5734, 2.7740
Hunter-Lab	61.8737, -1.2348, 2.6058

Details

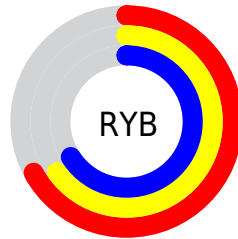
The Yxy color **38.2835, 0.3148, 0.3248** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5495, 0.3107, 0.3332**, and the grayscale version is **38.5590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5217, 0.3143, 0.3258**, and **16.9228, 0.3156, 0.3231** is the 20% darker color. If you saturate the color by 10%, you get **32.3055, 0.3227, 0.3101**, and if you desaturate by 10%, it is **45.0937, 0.3082, 0.3387**.

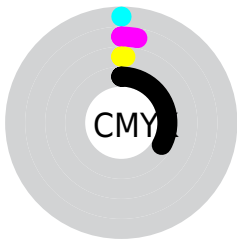
Distribution



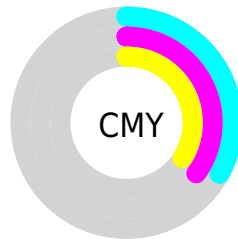
- Red (67%)
- Green (65%)
- Blue (66%)



- Red (67%)
- Yellow (65%)
- Blue (66%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (33%)





- Cyan (33%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2835, 0.3148, 0.3248 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 38.2835, 0.3148, 0.3248 by changing the saturation by 10% instead.


 38.2835, 0.3148,
0.3248


 38.2835, 0.3148,
0.3248


338.8346, 0.3137,
0.3270

 26.2028, 0.3151,
0.3242


 72.5425, 0.3144,
0.3256

 16.9754, 0.3154,
0.3235


 95.4895, 0.3143,
0.3259

 10.2170, 0.3159,
0.3225


122.8275, 0.3141,
0.3262

 5.5430, 0.3167,
0.3210

154.9407, 0.3140,
0.3264

 2.5693, 0.3178,
0.3187

192.2136, 0.3139,
0.3266

 0.9112, 0.3198,
0.3146


235.0307, 0.3139,


 0.0000, 0.0000,


0.3267


0.0000


283.7762, 0.3138,
0.3269


 38.2835, 0.3148,
0.3248


 38.2835, 0.3148,
0.3248


 32.3055, 0.3227,
0.3101


 45.0937, 0.3082,
0.3387


 27.1225, 0.3321,
0.2948


 52.7615, 0.3027,
0.3516


 22.7020, 0.3432,
0.2792

 61.3174, 0.2981,
0.3635

 19.0073, 0.3560,
0.2640

 70.7888, 0.2943,
0.3745

 15.9985, 0.3707,
0.2498

 81.2020, 0.2911,
0.3846

■ 13.6320, 0.3870,
0.2378

■ 84.6768, 0.2878,
0.3816

■ 11.8590, 0.4046,
0.2290

■ 85.0236, 0.2843,
0.3734

■ 10.6238, 0.4230,
0.2245

■ 85.3850, 0.2808,
0.3654

■ 9.8597, 0.4413,
0.2250

■ 85.7614, 0.2774,
0.3574

Harmonies

Analogous

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



38.2835, 0.3110, 0.3229



38.2835, 0.3148, 0.3248



38.2835, 0.3181, 0.3278

Triad

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



38.2835, 0.3148, 0.3248



38.2835, 0.3178, 0.3355



38.2835, 0.3055, 0.3268

Complementary

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



38.2835, 0.3148, 0.3248



39.5495, 0.3107, 0.3332

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.



38.2835, 0.3074, 0.3302



38.2835, 0.3148, 0.3248



38.2835, 0.3145, 0.3352

Square

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



38.2835, 0.3148, 0.3248



38.2835, 0.3199, 0.3340



38.2835, 0.3106, 0.3333



38.2835, 0.3056, 0.3240

Rectangle

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



38.2835, 0.3148, 0.3248



38.2835, 0.3195, 0.3301



38.2835, 0.3106, 0.3333



38.2835, 0.3060, 0.3279

Sweetspot

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



38.2852, 0.3148, 0.3248



71.7172, 0.3134, 0.3276



38.0286, 0.3103, 0.3219



16.0080, 0.3134, 0.3276



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.



38.2852, 0.3148, 0.3248



68.1588, 0.3156, 0.3232



38.1928, 0.3170, 0.3283



8.2368, 0.3160, 0.3224



6.9967, 0.4523, 0.2265



0.1800, 0.3987, 0.1970

Inverse Universe

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



38.2852, 0.3148, 0.3248



68.1588, 0.3156, 0.3232



39.6430, 0.3086, 0.3297



8.2368, 0.3160, 0.3224



6.9967, 0.4523, 0.2265



0.1800, 0.3987, 0.1970

Previews

White Background



This preview shows how the Yxy color 38.2835, 0.3148, 0.3248 looks on a white background.

Color Contrast Check

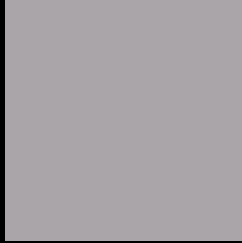
Large Text (above 18pt) WCAG AA × Fail

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 38.2835, 0.3148, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

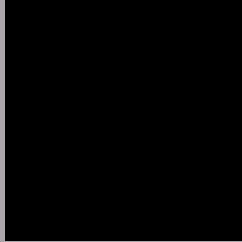
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

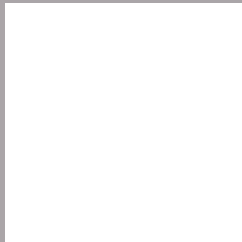
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2835, 0.3148, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 38.2835, 0.3148, 0.3248.

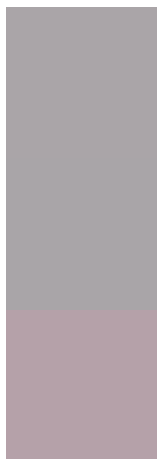


This preview shows how white text looks on a background with the Yxy color 38.2835, 0.3148, 0.3248.

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

38.2835, 0.3148, 0.3248

Protanopia

38.1724, 0.3138, 0.3248

Deuteranopia

38.1781, 0.3247, 0.3182



Tritanopia

38.3832, 0.3080, 0.3111

Trichromacy



Original Color

38.2835, 0.3148, 0.3248

Protanomaly

38.1724, 0.3138, 0.3248

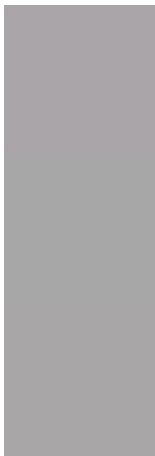
Deuteranomaly

38.0523, 0.3208, 0.3194

Tritanomaly

38.2648, 0.3106, 0.3152

Monochromacy



Original Color

38.2835, 0.3148, 0.3248

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

38.3873, 0.3137, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2835, 0.3148, 0.3248 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(170, 165, 168)` looks like.

```
.text, #text, p{  
    color:rgb(170, 165, 168)  
}
```

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(170, 165, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 165, 168) }
```

Border

The CSS property to change the border of an element to Yxy 38.2835, 0.3148, 0.3248 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(170, 165, 168) }
```

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

```
.border{ border-color:rgb(170, 165, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 165, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 165, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 165, 168);  
box-shadow:4px 4px 4px 4px rgb(170, 165,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2835, 0.3148, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 165, 168) }
```

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

```
.background{ background-color: rgb(170,  
165, 168) }
```

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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