

Converting Colors

$Yxy(38.4873, 0.3216, 0.3423)$

Have a look what the booklet for
Yxy(38.4873, 0.3216, 0.3423)
contains.

Yxy(38.4309, 0.3214, 0.3418)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.4309, 0.3214, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	A8A79E
RGB	168, 167, 158
RGB Percent	66%, 65%, 62%
CMY	0.3412, 0.3451, 0.3803
CMYK	0.00, 0.01, 0.06, 0.34
HSL	54°, 5%, 64%
HSV	54°, 6%, 66%
XYZ	36.1372, 38.4309, 37.8687
YIQ	166.2730, 3.4850, -2.5870

Conversions

Conversions Part 2

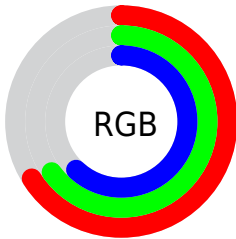
Format	Color
RYB	159, 168, 158
Decimal	11052958
CIELab	68.34, -1.30, 4.76
CIElCh	68, 4.934, 105.267
Yxy	38.4309, 0.3214, 0.3418
Android (android.graphics.Color)	4289243038 (0xFFA8A79E)
YUV	166.2730, -4.0786, 1.5146
Hunter-Lab	61.9927, -4.4347, 7.1771

Details

The Yxy color **38.4309, 0.3214, 0.3418** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.8918, 0.3039, 0.3159**, and the grayscale version is **38.2913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7346, 0.3194, 0.3388**, and **17.0360, 0.3238, 0.3450** is the 20% darker color. If you saturate the color by 10%, you get **37.2939, 0.3367, 0.3640**, and if you desaturate by 10%, it is **39.6580, 0.3069, 0.3204**.

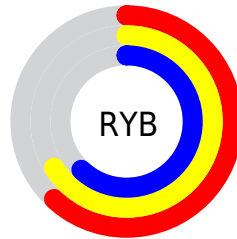
Distribution



Red (66%)

Green (65%)

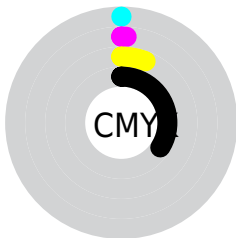
Blue (62%)



Red (62%)

Yellow (66%)

Blue (62%)

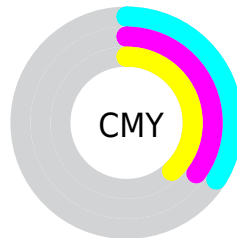


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (34%)



Cyan (34%)

Magenta (35%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4309, 0.3214, 0.3418 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 38.4309, 0.3214, 0.3418 by changing the saturation by 10% instead.


 38.4309, 0.3214,
0.3418


 38.4309, 0.3214,
0.3418


339.4648, 0.3169,
0.3352

 26.3173, 0.3226,
0.3435


 72.7681, 0.3197,
0.3393

 17.0612, 0.3241,
0.3458


 95.7605, 0.3191,
0.3384

 10.2781, 0.3262,
0.3489


123.1480, 0.3186,
0.3377

 5.5837, 0.3292,
0.3535

155.3149, 0.3182,
0.3370

 2.5937, 0.3339,
0.3607

192.6456, 0.3178,
0.3365

 0.9235, 0.3464,
0.3783

235.5246, 0.3175,

 0.0000, 0.0000,

0.3360

0.0000

284.3362, 0.3172,
0.3356

■ 38.4309, 0.3214,
0.3418

■ 38.4309, 0.3214,
0.3418

■ 37.2939, 0.3367,
0.3640

■ 39.6580, 0.3069,
0.3204

■ 36.2388, 0.3524,
0.3866

■ 40.9731, 0.2935,
0.3002

■ 35.2638, 0.3683,
0.4089

■ 42.3810, 0.2810,
0.2814

■ 34.3653, 0.3838,
0.4300

■ 43.8842, 0.2697,
0.2640

■ 33.5391, 0.3983,
0.4492

■ 45.4855, 0.2594,
0.2481

■ 32.7809, 0.4112,
0.4653

■ 46.9395, 0.2522,
0.2372

■ 32.0858, 0.4219,
0.4777

■ 47.5928, 0.2524,
0.2392

■ 31.4479, 0.4300,
0.4858

■ 48.2540, 0.2527,
0.2412

■ 30.8598, 0.4355,
0.4898

■ 48.9230, 0.2529,
0.2432

Harmonies

Analogous

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



38.4309, 0.3260, 0.3395



38.4309, 0.3214, 0.3418



38.4309, 0.3145, 0.3406

Triad

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



38.4309, 0.3214, 0.3418



38.4309, 0.2986, 0.3233



38.4309, 0.3183, 0.3220

Complementary

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



38.4309, 0.3214, 0.3418



34.8918, 0.3039, 0.3159

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.



38.4309, 0.3109, 0.3178



38.4309, 0.3214, 0.3418



38.4309, 0.2996, 0.3184

Square

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



38.4309, 0.3214, 0.3418



38.4309, 0.3013, 0.3298



38.4309, 0.3040, 0.3165



38.4309, 0.3242, 0.3281

Rectangle

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



38.4309, 0.3214, 0.3418



38.4309, 0.3095, 0.3380



38.4309, 0.3040, 0.3165



38.4309, 0.3158, 0.3203

Sweetspot

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



38.4326, 0.3214, 0.3418



70.6040, 0.3157, 0.3334



35.2867, 0.3215, 0.3276



15.3941, 0.3155, 0.3331



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



38.4326, 0.3214, 0.3418



69.5012, 0.3232, 0.3444



38.3608, 0.3176, 0.3433



8.6954, 0.3236, 0.3451



23.1755, 0.4373, 0.4910



0.5987, 0.4307, 0.4963

Inverse Universe

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



34.8918, 0.3039, 0.3159



61.8399, 0.3020, 0.3131



34.9684, 0.3077, 0.3146



7.6974, 0.3016, 0.3124



2.4622, 0.1523, 0.0682



0.0953, 0.1616, 0.1016

Previews

White Background



This preview shows how the Yxy color 38.4309, 0.3214, 0.3418 looks on a white background.

Color Contrast Check

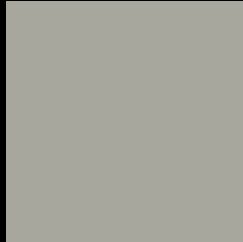
Large Text (above 18pt) WCAG AA × Fail

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 38.4309, 0.3214, 0.3418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

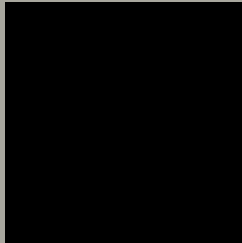
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

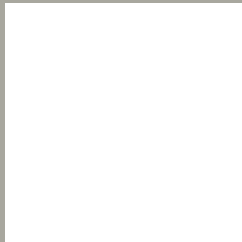
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4309, 0.3214, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 38.4309, 0.3214, 0.3418.



This preview shows how white text looks on a background with the Yxy color 38.4309, 0.3214, 0.3418.

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

38.4309, 0.3214, 0.3418

Protanopia

38.4774, 0.3262, 0.3417

Deuteranopia

38.3072, 0.3379, 0.3318



Tritanopia

38.3832, 0.3080, 0.3111

Trichromacy



Original Color

38.4309, 0.3214, 0.3418

Protanomaly

38.3647, 0.3253, 0.3417

Deuteranomaly

38.2813, 0.3316, 0.3346

Tritanomaly

38.3586, 0.3130, 0.3220

Monochromacy



Original Color

38.4309, 0.3214, 0.3418

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.1323, 0.3162, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4309, 0.3214, 0.3418 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, 167, 158)` looks like.

```
.text, #text, p{  
    color:rgb(168, 167, 158)  
}
```

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, 167, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 167, 158) }
```

Border

The CSS property to change the border of an element to Yxy 38.4309, 0.3214, 0.3418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

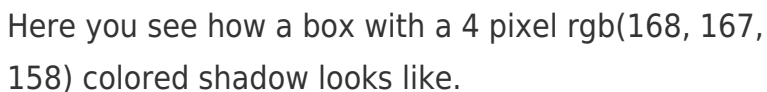
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 167, 158) }
```

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

```
.border{ border-color:rgb(168, 167, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 167, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 167, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 167, 158); box-shadow:4px 4px 4px 4px rgb(168, 167, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4309, 0.3214, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 167, 158) }
```

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

```
.background{ background-color: rgb(168,  
167, 158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor