

Converting Colors

$Yxy(38.4840, 0.2993, 0.3304)$

Have a look what the booklet for
Yxy(38.4840, 0.2993, 0.3304)
contains.

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Color

Yxy(38.4840, 0.2993, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	9AAAA9
RGB	154, 170, 169
RGB Percent	60%, 67%, 66%
CMY	0.3961, 0.3333, 0.3372
CMYK	0.09, 0.00, 0.01, 0.33
HSL	176°, 9%, 64%
HSV	176°, 9%, 67%
XYZ	34.8616, 38.4840, 43.1314
YIQ	165.1020, -9.2150, -3.7030

Conversions

Conversions Part 2

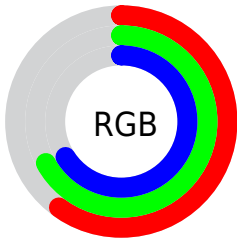
Format	Color
RYB	154, 162, 170
Decimal	10136233
CIELab	68.38, -5.78, -1.41
CIELCh	68, 5.949, 193.695
Yxy	38.4840, 0.2993, 0.3304
Android (android.graphics.Color)	4288326313 (0xFF9AAAA9)
YUV	165.1020, 1.9217, -9.7365
Hunter-Lab	62.0355, -8.2519, 2.2022

Details

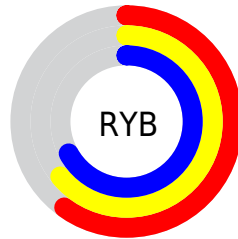
The Yxy color **38.4840, 0.2993, 0.3304** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.0205, 0.3279, 0.3276**, and the grayscale version is **37.6724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6421, 0.3017, 0.3301**, and **17.1248, 0.2954, 0.3310** is the 20% darker color. If you saturate the color by 10%, you get **36.8945, 0.2858, 0.3320**, and if you desaturate by 10%, it is **40.3133, 0.3136, 0.3289**.

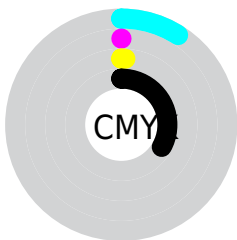
Distribution



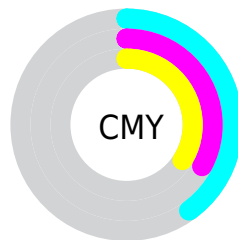
- Red (60%)
- Green (67%)
- Blue (66%)



- Red (60%)
- Yellow (64%)
- Blue (67%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)





- Cyan (40%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4840, 0.2993, 0.3304 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 38.4840, 0.2993, 0.3304 by changing the saturation by 10% instead.


 38.4840, 0.2993,
0.3304


 38.4840, 0.2993,
0.3304

339.6917, 0.3062,
0.3297

 26.3585, 0.2975,
0.3306


 72.8494, 0.3019,
0.3302

 17.0921, 0.2952,
0.3308


 95.8581, 0.3028,
0.3301

 10.3002, 0.2920,
0.3311


123.2634, 0.3036,
0.3300

 5.5984, 0.2873,
0.3315

155.4496, 0.3043,
0.3299

 2.6025, 0.2801,
0.3320

192.8011, 0.3049,
0.3299

 0.9279, 0.2659,
0.3334

235.7024, 0.3054,

 0.0000, 0.0000,

0.3298

0.0000

284.5378, 0.3058,
0.3298

■ 38.4840, 0.2993,
0.3304

■ 38.4840, 0.2993,
0.3304

■ 36.8945, 0.2858,
0.3320

■ 40.3133, 0.3136,
0.3289

■ 35.5301, 0.2732,
0.3338

■ 42.3868, 0.3283,
0.3276

■ 34.3818, 0.2620,
0.3356

■ 44.7150, 0.3432,
0.3264

■ 33.4382, 0.2522,
0.3376

■ 47.3063, 0.3580,
0.3253

■ 32.6869, 0.2442,
0.3396

■ 50.1685, 0.3727,
0.3244

■ 32.1139, 0.2380,
0.3416

■ 53.1206, 0.3861,
0.3236

■ 31.7037, 0.2337,
0.3437

■ 53.1624, 0.3851,
0.3225

■ 31.4377, 0.2312,
0.3457

■ 53.2045, 0.3841,
0.3214

■ 31.2787, 0.2300,
0.3478

■ 53.2469, 0.3831,
0.3203

Harmonies

Analogous

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



38.4840, 0.3064, 0.3380



38.4840, 0.2993, 0.3304



38.4840, 0.2958, 0.3225

Triad

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



38.4840, 0.2993, 0.3304



38.4840, 0.3100, 0.3153



38.4840, 0.3290, 0.3414

Complementary

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



38.4840, 0.2993, 0.3304



34.0205, 0.3279, 0.3276

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.



38.4840, 0.3300, 0.3352



38.4840, 0.2993, 0.3304



38.4840, 0.3189, 0.3202

Square

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



38.4840, 0.2993, 0.3304



38.4840, 0.3019, 0.3139



38.4840, 0.3263, 0.3274



38.4840, 0.3236, 0.3444

Rectangle

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



38.4840, 0.2993, 0.3304



38.4840, 0.2959, 0.3182



38.4840, 0.3263, 0.3274



38.4840, 0.3298, 0.3396

Sweetspot

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



38.4856, 0.2993, 0.3304



71.8832, 0.3083, 0.3294



38.0586, 0.3126, 0.3526



15.9707, 0.3072, 0.3296



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.



38.4856, 0.2993, 0.3304



69.2786, 0.2968, 0.3307



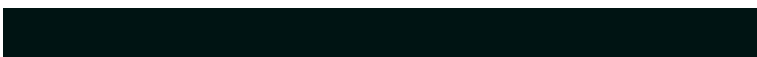
35.9891, 0.2984, 0.3188



8.5239, 0.2995, 0.3304



23.0040, 0.2299, 0.3477



0.5620, 0.2280, 0.3409

Inverse Universe

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



34.0205, 0.3279, 0.3276



59.7633, 0.3311, 0.3273



36.3447, 0.3278, 0.3390



7.5496, 0.3276, 0.3276



6.3067, 0.6316, 0.3253



0.1557, 0.5956, 0.3055

Previews

White Background



This preview shows how the Yxy color 38.4840, 0.2993, 0.3304 looks on a white background.

Color Contrast Check

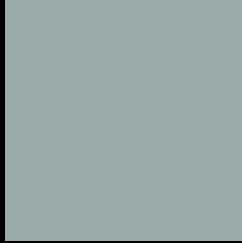
Large Text (above 18pt) WCAG AA × Fail

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 38.4840, 0.2993, 0.3304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

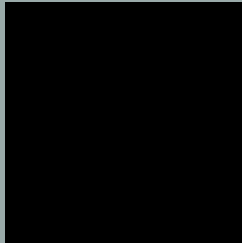
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

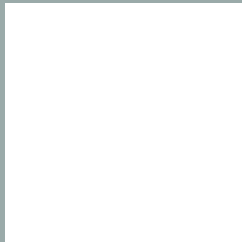
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4840, 0.2993, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 38.4840, 0.2993, 0.3304.

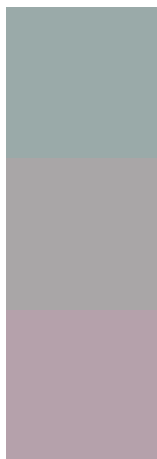


This preview shows how white text looks on a background with the Yxy color 38.4840, 0.2993, 0.3304.

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

38.4840, 0.2993, 0.3304

Protanopia

38.4975, 0.3146, 0.3276

Deuteranopia

38.2538, 0.3229, 0.3155



Tritanopia

38.4094, 0.2915, 0.3105

Trichromacy



Original Color

38.4840, 0.2993, 0.3304

Protanomaly

38.3571, 0.3091, 0.3276

Deuteranomaly

38.1111, 0.3140, 0.3206

Tritanomaly

38.5188, 0.2938, 0.3175

Monochromacy



Original Color

38.4840, 0.2993, 0.3304

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

37.9677, 0.3081, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4840, 0.2993, 0.3304 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(154, 170, 169)` looks like.

```
.text, #text, p{  
    color:rgb(154, 170, 169)  
}
```

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(154, 170, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 170, 169) }
```

Border

The CSS property to change the border of an element to Yxy 38.4840, 0.2993, 0.3304 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(154, 170, 169) }
```

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

```
.border{ border-color:rgb(154, 170, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 170, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 170, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 170, 169);  
box-shadow:4px 4px 4px 4px rgb(154, 170,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4840, 0.2993, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 170, 169) }
```

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

```
.background{ background-color: rgb(154,  
170, 169) }
```

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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