

Converting Colors

$Yxy(40.6221, 0.3024, 0.3336)$

Have a look what the booklet for
Yxy(40.6221, 0.3024, 0.3336)
contains.

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Color

Yxy(40.5833, 0.3020, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	9FAEAB
RGB	159, 174, 171
RGB Percent	62%, 68%, 67%
CMY	0.3765, 0.3176, 0.3293
CMYK	0.09, 0.00, 0.02, 0.32
HSL	168°, 8%, 65%
HSV	168°, 9%, 68%
XYZ	36.7832, 40.5833, 44.4321
YIQ	169.1730, -7.9770, -4.1130

Conversions

Conversions Part 2

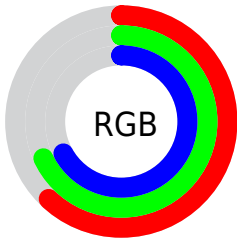
Format	Color
R _Y B	159, 167, 174
Decimal	10464939
CIE Lab	69.88, -5.82, -0.27
CIE LCh	70, 5.824, 182.676
Yxy	40.5833, 0.3020, 0.3332
Android (android.graphics.Color)	4288655019 (0xFF9FAEAB)
YUV	169.1730, 0.9007, -8.9217
Hunter-Lab	63.7050, -8.4182, 3.2407

Details

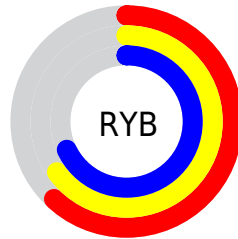
The Yxy color **40.5833, 0.3020, 0.3332** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.3966, 0.3246, 0.3248**, and the grayscale version is **39.7645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8258, 0.3044, 0.3322**, and **18.4391, 0.2992, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **38.7995, 0.2901, 0.3385**, and if you desaturate by 10%, it is **42.6244, 0.3144, 0.3284**.

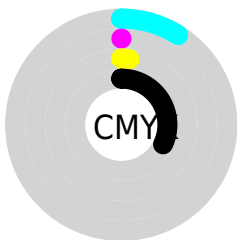
Distribution



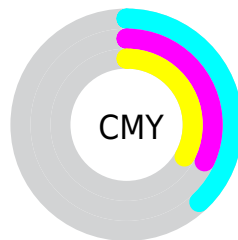
- Red (62%)
- Green (68%)
- Blue (67%)



- Red (62%)
- Yellow (65%)
- Blue (68%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)





- Cyan (38%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5833, 0.3020, 0.3332 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 40.5833, 0.3020, 0.3332 by changing the saturation by 10% instead.


 40.5833, 0.3020,
0.3332


 40.5833, 0.3020,
0.3332


348.5760, 0.3075,
0.3311

 27.9936, 0.3006,
0.3337


 76.0509, 0.3040,
0.3324

 18.3209, 0.2988,
0.3345


 99.6977, 0.3048,
0.3321

 11.1806, 0.2963,
0.3354


127.7989, 0.3054,
0.3319

 6.1884, 0.2927,
0.3368

160.7390, 0.3059,
0.3317

 2.9600, 0.2871,
0.3389

198.9024, 0.3064,
0.3315

 1.1109, 0.2774,
0.3427

242.6734, 0.3068,

 0.0000, 0.0000,

0.3313

0.0000

292.4365, 0.3072,
0.3312

■ 40.5833, 0.3020,
0.3332

■ 40.5833, 0.3020,
0.3332

■ 38.7995, 0.2901,
0.3385

■ 42.6244, 0.3144,
0.3284

■ 37.2575, 0.2789,
0.3443

■ 44.9275, 0.3271,
0.3240

■ 35.9477, 0.2689,
0.3505

■ 47.5035, 0.3399,
0.3201

■ 34.8582, 0.2601,
0.3571

■ 50.3614, 0.3526,
0.3167

■ 33.9757, 0.2530,
0.3639

■ 53.5096, 0.3650,
0.3137

■ 33.2858, 0.2476,
0.3710

■ 55.3309, 0.3697,
0.3106

■ 32.7720, 0.2441,
0.3782

■ 55.4859, 0.3666,
0.3070

■ 32.4150, 0.2426,
0.3853

■ 55.6444, 0.3635,
0.3035

■ 32.1804, 0.2426,
0.3924

■ 55.8067, 0.3604,
0.2999

Harmonies

Analogous

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



40.5833, 0.3097, 0.3399



40.5833, 0.3020, 0.3332



40.5833, 0.2972, 0.3254

Triad

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



40.5833, 0.3020, 0.3332



40.5833, 0.3070, 0.3149



40.5833, 0.3292, 0.3390

Complementary

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



40.5833, 0.3020, 0.3332



36.3966, 0.3246, 0.3248

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.



40.5833, 0.3285, 0.3323



40.5833, 0.3020, 0.3332



40.5833, 0.3156, 0.3185

Square

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



40.5833, 0.3020, 0.3332



40.5833, 0.3000, 0.3150



40.5833, 0.3235, 0.3248



40.5833, 0.3255, 0.3432

Rectangle

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



40.5833, 0.3020, 0.3332



40.5833, 0.2962, 0.3207



40.5833, 0.3235, 0.3248



40.5833, 0.3295, 0.3370

Sweetspot

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



40.5850, 0.3020, 0.3332



75.6174, 0.3089, 0.3304



40.4575, 0.3144, 0.3505



16.7410, 0.3079, 0.3308



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.5850, 0.3020, 0.3332



73.0817, 0.3001, 0.3340



38.9874, 0.2996, 0.3226



9.0444, 0.3012, 0.3335



23.3258, 0.2424, 0.3926



0.6558, 0.2364, 0.3711

Inverse Universe

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



36.3966, 0.3246, 0.3248



64.2217, 0.3270, 0.3241



37.8703, 0.3267, 0.3354



8.0404, 0.3256, 0.3245



6.6201, 0.6044, 0.3103



0.1916, 0.5262, 0.2672

Previews

White Background



This preview shows how the Yxy color 40.5833, 0.3020, 0.3332 looks on a white background.

Color Contrast Check

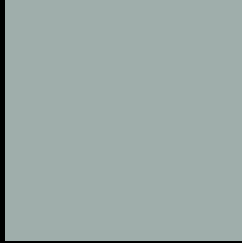
Large Text (above 18pt) WCAG AA × Fail

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 40.5833, 0.3020, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

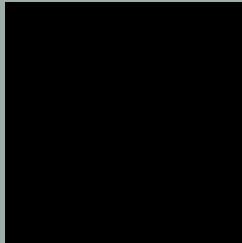
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

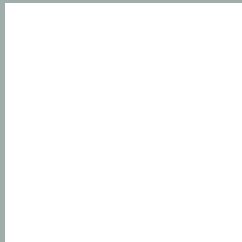
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.5833, 0.3020, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 40.5833, 0.3020, 0.3332.

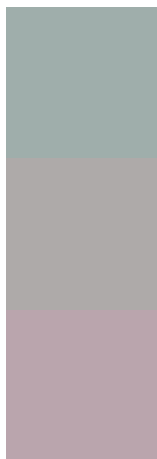


This preview shows how white text looks on a background with the Yxy color 40.5833, 0.3020, 0.3332.

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

40.5833, 0.3020, 0.3332

Protanopia

40.6127, 0.3172, 0.3304

Deuteranopia

40.3665, 0.3254, 0.3184



Tritanopia

40.5849, 0.2928, 0.3110

Trichromacy



Original Color

40.5833, 0.3020, 0.3332

Protanomaly

40.4631, 0.3118, 0.3304

Deuteranomaly

40.2139, 0.3166, 0.3236

Tritanomaly

40.6560, 0.2958, 0.3192

Monochromacy



Original Color

40.5833, 0.3020, 0.3332

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0274, 0.3082, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5833, 0.3020, 0.3332 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(159, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(159, 174, 171)  
}
```

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(159, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 174, 171) }
```

Border

The CSS property to change the border of an element to Yxy 40.5833, 0.3020, 0.3332 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(159, 174, 171) }
```

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

```
.border{ border-color:rgb(159, 174, 171) }
```

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

Here you see how a box with a 4 pixel rgb(159, 174, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 174, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 174, 171);  
box-shadow:4px 4px 4px 4px rgb(159, 174,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5833, 0.3020, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 174, 171) }
```

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

```
.background{ background-color: rgb(159,  
174, 171) }
```

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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