

Converting Colors

$Y_{xy}(40.4060, 0.2998, 0.3342)$

Have a look what the booklet for
Yxy(40.4060, 0.2998, 0.3342)
contains.

Yxy(40.2803, 0.2995, 0.3332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2803, 0.2995, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	9CAEAB
RGB	156, 174, 171
RGB Percent	61%, 68%, 67%
CMY	0.3880, 0.3177, 0.3293
CMYK	0.10, 0.00, 0.02, 0.32
HSL	170°, 10%, 65%
HSV	170°, 10%, 68%
XYZ	36.2063, 40.2803, 44.4026
YIQ	168.2760, -9.7650, -4.7490

Conversions

Conversions Part 2

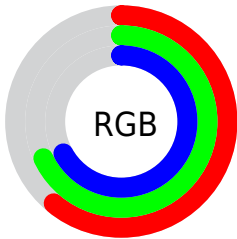
Format	Color
R_{YB}	156, 166, 174
Decimal	10268331
CIE Lab	69.67, -6.81, -0.61
CIE LCh	70, 6.836, 185.107
Yxy	40.2803, 0.2995, 0.3332
Android (android.graphics.Color)	4288458411 (0xFF9CAEAB)
YUV	168.2760, 1.3429, -10.7661
Hunter-Lab	63.4668, -9.2367, 2.9463

Details

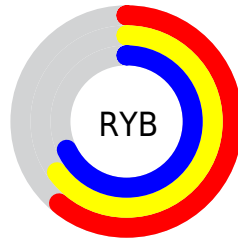
The Yxy color **40.2803, 0.2995, 0.3332** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.2977, 0.3277, 0.3248**, and the grayscale version is **39.3030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3785, 0.3024, 0.3322**, and **18.2542, 0.2957, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **38.5592, 0.2873, 0.3377**, and if you desaturate by 10%, it is **42.2558, 0.3123, 0.3291**.

Distribution



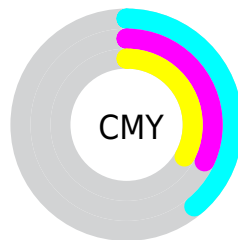
- Red (61%)
- Green (68%)
- Blue (67%)



- Red (61%)
- Yellow (65%)
- Blue (68%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)





- Cyan (39%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2803, 0.2995, 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 40.2803, 0.2995, 0.3332 by changing the saturation by 10% instead.


 40.2803, 0.2995,
0.3332

 40.2803, 0.2995,
0.3332


347.3036, 0.3063,
0.3311

 27.7572, 0.2978,
0.3337


 75.5902, 0.3020,
0.3324

 18.1427, 0.2955,
0.3344

 99.1457, 0.3029,
0.3321

 11.0525, 0.2924,
0.3354


127.1474, 0.3037,
0.3319

 6.1021, 0.2880,
0.3368

159.9798, 0.3044,
0.3317

 2.9073, 0.2811,
0.3388

198.0272, 0.3049,
0.3315

 1.0835, 0.2690,
0.3425

241.6740, 0.3054,

 0.0000, 0.0000,

0.3313

0.0000

291.3047, 0.3059,
0.3312

■ 40.2803, 0.2995,
0.3332

■ 40.2803, 0.2995,
0.3332

■ 38.5592, 0.2873,
0.3377

■ 42.2558, 0.3123,
0.3291

■ 37.0770, 0.2759,
0.3425

■ 44.4906, 0.3255,
0.3254

■ 35.8239, 0.2658,
0.3477

■ 46.9958, 0.3388,
0.3221

■ 34.7880, 0.2570,
0.3532

■ 49.7802, 0.3520,
0.3192

■ 33.9558, 0.2499,
0.3588

■ 52.8522, 0.3650,
0.3167

■ 33.3124, 0.2446,
0.3646

■ 55.1717, 0.3729,
0.3142

■ 32.8411, 0.2411,
0.3705

■ 55.2976, 0.3703,
0.3112

■ 32.5221, 0.2396,
0.3764

■ 55.4259, 0.3677,
0.3082

■ 32.3167, 0.2395,
0.3820

■ 55.5568, 0.3650,
0.3052

Harmonies

Analogous

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



40.2803, 0.3083, 0.3413



40.2803, 0.2995, 0.3332



40.2803, 0.2942, 0.3240

Triad

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



40.2803, 0.2995, 0.3332



40.2803, 0.3068, 0.3127



40.2803, 0.3320, 0.3413

Complementary

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



40.2803, 0.2995, 0.3332



35.2977, 0.3277, 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.



40.2803, 0.3316, 0.3335



40.2803, 0.2995, 0.3332



40.2803, 0.3169, 0.3172

Square

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



40.2803, 0.2995, 0.3332



40.2803, 0.2983, 0.3123



40.2803, 0.3260, 0.3247



40.2803, 0.3272, 0.3459

Rectangle

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



40.2803, 0.2995, 0.3332



40.2803, 0.2934, 0.3187



40.2803, 0.3260, 0.3247



40.2803, 0.3325, 0.3389

Sweetspot

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



40.2820, 0.2995, 0.3332



75.6298, 0.3088, 0.3302



40.0453, 0.3142, 0.3549



16.7445, 0.3077, 0.3305



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.



40.2820, 0.2995, 0.3332



72.4486, 0.2971, 0.3340



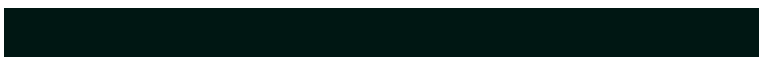
38.1385, 0.2971, 0.3204



9.0490, 0.3008, 0.3328



23.4507, 0.2393, 0.3814



0.6583, 0.2344, 0.3637

Inverse Universe

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



35.2977, 0.3277, 0.3248



61.8705, 0.3309, 0.3240



37.2523, 0.3296, 0.3375



8.0362, 0.3261, 0.3253



6.5967, 0.6128, 0.3150



0.1899, 0.5413, 0.2756

Previews

White Background



This preview shows how the Yxy color 40.2803, 0.2995, 0.3332 looks on a white background.

Color Contrast Check

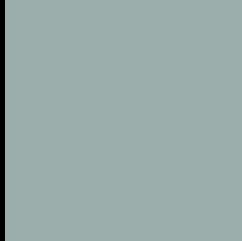
Large Text (above 18pt) WCAG AA × Fail

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 40.2803, 0.2995, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

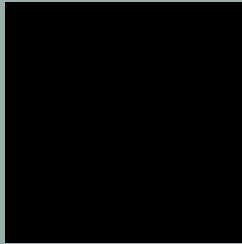
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

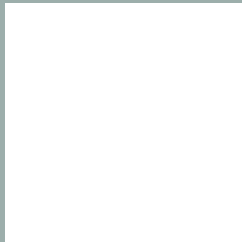
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2803, 0.2995, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 40.2803, 0.2995, 0.3332.

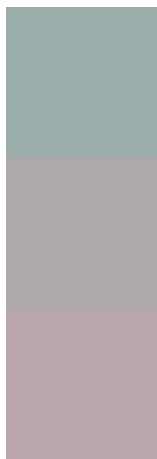


This preview shows how white text looks on a background with the Yxy color 40.2803, 0.2995, 0.3332.

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

40.2803, 0.2995, 0.3332

Protanopia

40.0873, 0.3172, 0.3304

Deuteranopia

40.2417, 0.3244, 0.3184



Tritanopia

40.3788, 0.2911, 0.3109

Trichromacy



Original Color

40.2803, 0.2995, 0.3332

Protanomaly

40.2059, 0.3108, 0.3318

Deuteranomaly

39.9825, 0.3148, 0.3235

Tritanomaly

40.4515, 0.2941, 0.3191

Monochromacy



Original Color

40.2803, 0.2995, 0.3332

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.5065, 0.3081, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2803, 0.2995, 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(156, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(156, 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(156, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 174, 171) }
```

Border

The CSS property to change the border of an element to Yxy 40.2803, 0.2995, 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(156, 174, 171) }
```

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

```
.border{ border-color:rgb(156, 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(156, 174, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 174, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 174, 171);  
box-shadow:4px 4px 4px 4px rgb(156, 174,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2803, 0.2995, 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(156, 174, 171) }
```

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

```
.background{ background-color: rgb(156,  
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](#).

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