

Converting Colors

$Yxy(39.9768, 0.2943, 0.3326)$

Have a look what the booklet for
Yxy(39.9768, 0.2943, 0.3326)
contains.

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Color

Yxy(39.8300, 0.2945, 0.3318)

Conversions

Conversions Part 1

Format	Color
Hex	97AEAC
RGB	151, 174, 172
RGB Percent	59%, 68%, 67%
CMY	0.4076, 0.3177, 0.3254
CMYK	0.13, 0.00, 0.01, 0.32
HSL	175°, 12%, 64%
HSV	175°, 13%, 68%
XYZ	35.3524, 39.8300, 44.8598
YIQ	166.8950, -13.0660, -5.4980

Conversions

Conversions Part 2

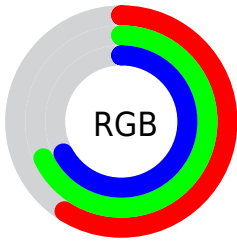
Format	Color
RYB	151, 163, 174
Decimal	9940652
CIELab	69.35, -8.30, -1.67
CIELCh	69, 8.465, 191.365
Yxy	39.8300, 0.2945, 0.3318
Android (android.graphics.Color)	4288130732 (0xFF97AEAC)
YUV	166.8950, 2.5168, -13.9399
Hunter-Lab	63.1110, -10.4553, 2.0339

Details

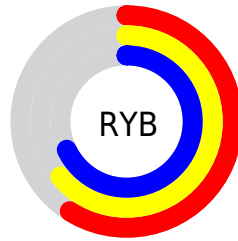
The Yxy color **39.8300, 0.2945, 0.3318** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4477, 0.3344, 0.3262**, and the grayscale version is **38.5871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5638, 0.2978, 0.3312**, and **17.9845, 0.2889, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **38.2299, 0.2816, 0.3341**, and if you desaturate by 10%, it is **41.6798, 0.3082, 0.3296**.

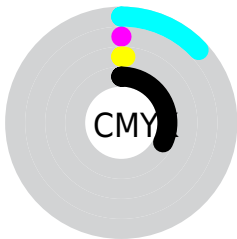
Distribution



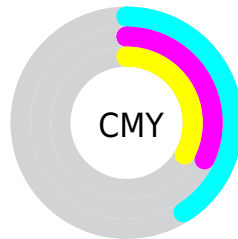
- Red (59%)
- Green (68%)
- Blue (67%)



- Red (59%)
- Yellow (64%)
- Blue (68%)



- Cyan (13%)
- Magenta (0%)
- Yellow (1%)
- Black (32%)





- Cyan (41%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8300, 0.2945, 0.3318 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 39.8300, 0.2945, 0.3318 by changing the saturation by 10% instead.


 39.8300, 0.2945,
0.3318

 39.8300, 0.2945,
0.3318

345.4065, 0.3038,
0.3304

 27.4060, 0.2921,
0.3321


 74.9046, 0.2979,
0.3313

 17.8784, 0.2890,
0.3326


 98.3240, 0.2992,
0.3311

 10.8627, 0.2847,
0.3332


126.1773, 0.3003,
0.3310

 5.9746, 0.2787,
0.3339

158.8489, 0.3012,
0.3308

 2.8296, 0.2692,
0.3351

196.7233, 0.3020,
0.3307

 1.0434, 0.2523,
0.3371

240.1847, 0.3027,

 0.0000, 0.0000,

0.3306

0.0000

289.6177, 0.3033,
0.3305

■ 39.8300, 0.2945,
0.3318

■ 39.8300, 0.2945,
0.3318

■ 38.2299, 0.2816,
0.3341

■ 41.6798, 0.3082,
0.3296

■ 36.8638, 0.2697,
0.3367

■ 43.7843, 0.3225,
0.3277

■ 35.7218, 0.2592,
0.3393

■ 46.1548, 0.3370,
0.3259

■ 34.7915, 0.2503,
0.3421

■ 48.8002, 0.3515,
0.3244

■ 34.0591, 0.2431,
0.3450

■ 51.7292, 0.3659,
0.3230

■ 33.5093, 0.2378,
0.3479

■ 54.8655, 0.3796,
0.3218

■ 33.1246, 0.2343,
0.3508

■ 54.9274, 0.3782,
0.3202

■ 32.8839, 0.2326,
0.3537

■ 54.9901, 0.3768,
0.3187

■ 32.7711, 0.2321,
0.3556

■ 55.0534, 0.3755,
0.3171

Harmonies

Analogous

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



39.8300, 0.3047, 0.3425



39.8300, 0.2945, 0.3318



39.8300, 0.2891, 0.3205

Triad

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



39.8300, 0.2945, 0.3318



39.8300, 0.3078, 0.3095



39.8300, 0.3360, 0.3458

Complementary

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



39.8300, 0.2945, 0.3318



33.4477, 0.3344, 0.3262

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.



39.8300, 0.3369, 0.3367



39.8300, 0.2945, 0.3318



39.8300, 0.3205, 0.3161

Square

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



39.8300, 0.2945, 0.3318



39.8300, 0.2967, 0.3080



39.8300, 0.3312, 0.3259



39.8300, 0.3287, 0.3506

Rectangle

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



39.8300, 0.2945, 0.3318



39.8300, 0.2890, 0.3143



39.8300, 0.3312, 0.3259



39.8300, 0.3370, 0.3431

Sweetspot

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



39.8317, 0.2945, 0.3318



75.2967, 0.3070, 0.3298



39.3104, 0.3132, 0.3629



16.6773, 0.3059, 0.3300



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.



39.8317, 0.2945, 0.3318



71.3122, 0.2904, 0.3325



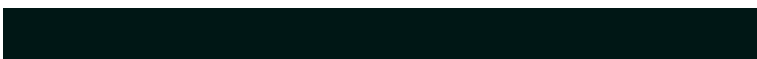
36.4831, 0.2926, 0.3156



9.0600, 0.2998, 0.3309



23.7763, 0.2320, 0.3553



0.6648, 0.2296, 0.3465

Inverse Universe

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



33.4477, 0.3344, 0.3262



57.3114, 0.3404, 0.3255



36.4537, 0.3346, 0.3421



8.0262, 0.3273, 0.3271



6.5558, 0.6284, 0.3235



0.1859, 0.5832, 0.2986

Previews

White Background



This preview shows how the Yxy color 39.8300, 0.2945, 0.3318 looks on a white background.

Color Contrast Check

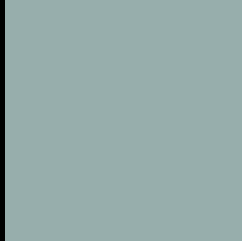
Large Text (above 18pt) WCAG AA × Fail

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 39.8300, 0.2945, 0.3318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

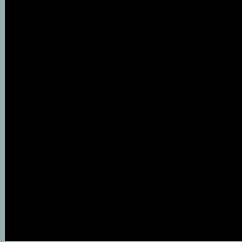
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

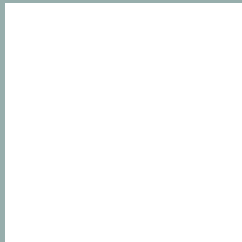
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8300, 0.2945, 0.3318

Background



This preview shows how black text looks on a background with the Yxy color 39.8300, 0.2945, 0.3318.

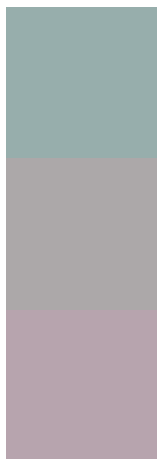


This preview shows how white text looks on a background with the Yxy color 39.8300, 0.2945, 0.3318.

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

39.8300, 0.2945, 0.3318

Protanopia

39.6405, 0.3155, 0.3276

Deuteranopia

39.6742, 0.3218, 0.3157



Tritanopia

39.8225, 0.2854, 0.3092

Trichromacy



Original Color

39.8300, 0.2945, 0.3318

Protanomaly

39.5442, 0.3073, 0.3290

Deuteranomaly

39.6803, 0.3112, 0.3221

Tritanomaly

39.8987, 0.2884, 0.3176

Monochromacy



Original Color

39.8300, 0.2945, 0.3318

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1911, 0.3055, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8300, 0.2945, 0.3318 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(151, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(151, 174, 172)  
}
```

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(151, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 174, 172) }
```

Border

The CSS property to change the border of an element to Yxy 39.8300, 0.2945, 0.3318 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(151, 174, 172) }
```

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

```
.border{ border-color:rgb(151, 174, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 174, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(151, 174,  
172) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 39.8300, 0.2945, 0.3318$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 174, 172) }
```

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

```
.background{ background-color: rgb(151,  
174, 172) }
```

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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