

Converting Colors

$Y_{xy}(50.9915, 0.2935, 0.3341)$

Have a look what the booklet for
Yxy(50.9915, 0.2935, 0.3341)
contains.

Yxy(51.0073, 0.2939, 0.3342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.0073, 0.2939, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	A7C3BF
RGB	167, 195, 191
RGB Percent	65%, 76%, 75%
CMY	0.3450, 0.2353, 0.2510
CMYK	0.14, 0.00, 0.02, 0.24
HSL	171°, 19%, 71%
HSV	171°, 14%, 76%
XYZ	44.8565, 51.0073, 56.7613
YIQ	186.1720, -15.4040, -7.1800

Conversions

Conversions Part 2

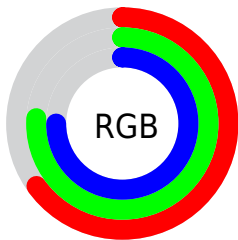
Format	Color
RYB	167, 182, 195
Decimal	10994623
CIELab	76.68, -10.21, -1.16
CIELCh	77, 10.280, 186.504
Yxy	51.0073, 0.2939, 0.3342
Android (android.graphics.Color)	4289184703 (0xFFA7C3BF)
YUV	186.1720, 2.3802, -16.8138
Hunter-Lab	71.4194, -12.8731, 2.8723

Details

The Yxy color **51.0073, 0.2939, 0.3342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1882, 0.3354, 0.3239**, and the grayscale version is **49.1993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8658, 0.2972, 0.3340**, and **24.5296, 0.2887, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **48.9209, 0.2817, 0.3382**, and if you desaturate by 10%, it is **53.4206, 0.3069, 0.3305**.

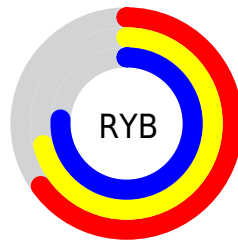
Distribution



Red (65%)

Green (76%)

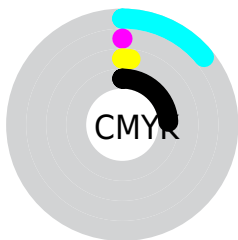
Blue (75%)



Red (65%)

Yellow (71%)

Blue (76%)

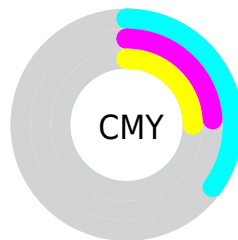


Cyan (14%)

Magenta (0%)

Yellow (2%)

Black (24%)



Cyan (35%)

Magenta (24%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0073, 0.2939, 0.3342 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 51.0073, 0.2939, 0.3342 by changing the saturation by 10% instead.

 51.0073, 0.2939,
0.3342

 51.0073, 0.2939,
0.3342


390.5921, 0.3031,
0.3317

 36.2144, 0.2916,
0.3348


 91.6656, 0.2972,
0.3333

 24.5998, 0.2888,
0.3356


 118.2997, 0.2985,
0.3330

 15.7792, 0.2850,
0.3366


149.6498, 0.2996,
0.3327

 9.3680, 0.2798,
0.3379

186.1001, 0.3005,
0.3324

 4.9820, 0.2722,
0.3399

228.0351, 0.3013,
0.3322

 2.2367, 0.2601,
0.3429

275.8392, 0.3020,

 0.7399, 0.2181,

0.3320

0.3556

329.8967, 0.3026,
0.3318

0.0000, 0.0000,
0.0000

51.0073, 0.2939,
0.3342

51.0073, 0.2939,
0.3342

48.9209, 0.2817,
0.3382

53.4206, 0.3069,
0.3305

47.1407, 0.2705,
0.3426

56.1677, 0.3204,
0.3271

45.6534, 0.2606,
0.3472

59.2635, 0.3341,
0.3241

44.4423, 0.2523,
0.3520

62.7200, 0.3478,
0.3215

43.4890, 0.2458,
0.3570

64.6980, 0.3537,
0.3188

■ 42.7728, 0.2411,
0.3620

■ 64.8345, 0.3514,
0.3160

■ 42.2699, 0.2384,
0.3671

■ 64.9733, 0.3492,
0.3131

■ 41.9513, 0.2375,
0.3721

■ 65.1147, 0.3470,
0.3103

■ 41.8211, 0.2375,
0.3749

■ 65.2584, 0.3447,
0.3074

Harmonies

Analogous

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



51.0073, 0.3059, 0.3458



51.0073, 0.2939, 0.3342



51.0073, 0.2869, 0.3214

Triad

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



51.0073, 0.2939, 0.3342



51.0073, 0.3050, 0.3066



51.0073, 0.3394, 0.3463

Complementary

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



51.0073, 0.2939, 0.3342



42.1882, 0.3354, 0.3239

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.



51.0073, 0.3392, 0.3357



51.0073, 0.2939, 0.3342



51.0073, 0.3191, 0.3131

Square

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



51.0073, 0.2939, 0.3342



51.0073, 0.2932, 0.3058



51.0073, 0.3317, 0.3236



51.0073, 0.3323, 0.3527

Rectangle

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



51.0073, 0.2939, 0.3342



51.0073, 0.2860, 0.3141



51.0073, 0.3317, 0.3236



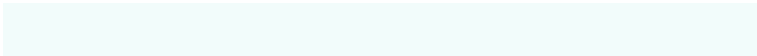
51.0073, 0.3402, 0.3431

Sweetspot

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



51.0094, 0.2939, 0.3342



95.8084, 0.3073, 0.3304



50.5040, 0.3143, 0.3663



20.9037, 0.3063, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.0094, 0.2939, 0.3342



90.2086, 0.2902, 0.3353



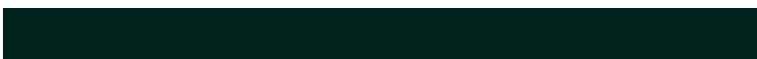
46.9426, 0.2907, 0.3160



11.4028, 0.3003, 0.3323



27.1905, 0.2373, 0.3742



1.1818, 0.2342, 0.3630

Inverse Universe

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



42.1882, 0.3354, 0.3239



71.5849, 0.3409, 0.3228



45.7634, 0.3372, 0.3416



10.1009, 0.3267, 0.3257



7.6029, 0.6188, 0.3183



0.3362, 0.5667, 0.2896

Previews

White Background



This preview shows how the Yxy color 51.0073, 0.2939, 0.3342 looks on a white background.

Color Contrast Check

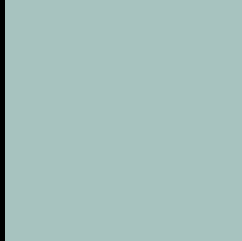
Large Text (above 18pt) WCAG AA × Fail

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 51.0073, 0.2939, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

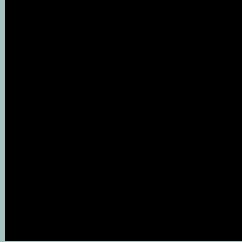
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

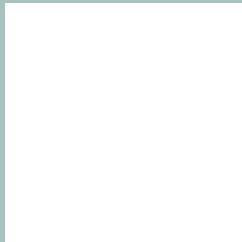
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0073, 0.2939, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 51.0073, 0.2939, 0.3342.



This preview shows how white text looks on a background with the Yxy color 51.0073, 0.2939, 0.3342.

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

51.0073, 0.2939, 0.3342

Protanopia

50.8918, 0.3176, 0.3303

Deuteranopia

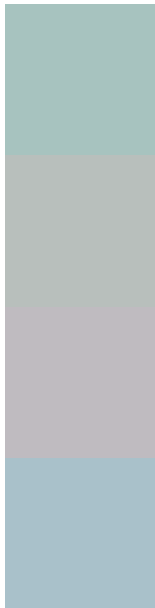
50.6964, 0.3235, 0.3170



Tritanopia

50.7994, 0.2844, 0.3086

Trichromacy



Original Color

51.0073, 0.2939, 0.3342

Protanomaly

51.0828, 0.3093, 0.3328

Deuteranomaly

50.4228, 0.3122, 0.3228

Tritanomaly

50.8392, 0.2877, 0.3174

Monochromacy



Original Color

51.0073, 0.2939, 0.3342

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.6097, 0.3053, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0073, 0.2939, 0.3342 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(167, 195, 191)` looks like.

```
.text, #text, p{  
    color:rgb(167, 195, 191)  
}
```

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(167, 195, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 195, 191) }
```

Border

The CSS property to change the border of an element to Yxy 51.0073, 0.2939, 0.3342 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(167, 195, 191) }
```

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

```
.border{ border-color:rgb(167, 195, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 195, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 195, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 195, 191);  
box-shadow:4px 4px 4px 4px rgb(167, 195,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0073, 0.2939, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 195, 191) }
```

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

```
.background{ background-color: rgb(167,  
195, 191) }
```

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