

Converting Colors

$Y_{xy}(50.9805, 0.2968, 0.3387)$

Have a look what the booklet for
Yxy(50.9805, 0.2968, 0.3387)
contains.

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Color

Yxy(50.9859, 0.2967, 0.3381)

Conversions

Conversions Part 1

Format	Color
Hex	A8C3BC
RGB	168, 195, 188
RGB Percent	66%, 76%, 74%
CMY	0.3412, 0.2353, 0.2627
CMYK	0.14, 0.00, 0.04, 0.24
HSL	164°, 18%, 71%
HSV	164°, 14%, 76%
XYZ	44.7427, 50.9859, 55.0726
YIQ	186.1290, -13.8450, -7.9010

Conversions

Conversions Part 2

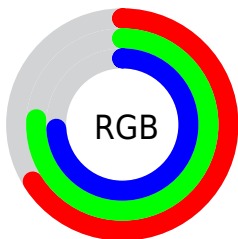
Format	Color
R _Y B	168, 184, 195
Decimal	11060156
CIE Lab	76.67, -10.49, 0.43
CIE LCh	77, 10.496, 177.677
Yxy	50.9859, 0.2967, 0.3381
Android (android.graphics.Color)	4289250236 (0xFFA8C3BC)
YUV	186.1290, 0.9224, -15.8991
Hunter-Lab	71.4044, -13.1078, 4.2540

Details

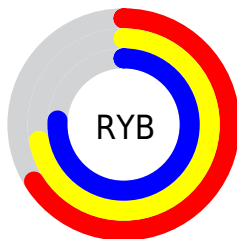
The Yxy color $50.9859, 0.2967, 0.3381$ is a light color, and the websafe version is hex $99CCCC$, and the color name is [opal](#). A complement of this color would be $42.7029, 0.3317, 0.3201$, and the grayscale version is $49.1814, 0.3127, 0.3290$.

A 20% lighter version of the original color is $91.8404, 0.2994, 0.3371$, and $24.5120, 0.2924, 0.3397$ is the 20% darker color. If you saturate the color by 10%, you get $48.7921, 0.2858, 0.3455$, and if you desaturate by 10%, it is $53.5125, 0.3082, 0.3314$.

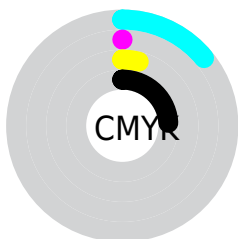
Distribution



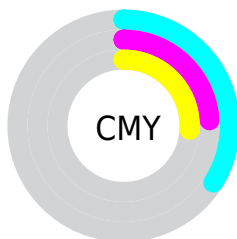
- Red (66%)
- Green (76%)
- Blue (74%)



- Red (66%)
- Yellow (72%)
- Blue (76%)



- Cyan (14%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)





- Cyan (34%)
- Magenta (24%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9859, 0.2967, 0.3381 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 50.9859, 0.2967, 0.3381 by changing the saturation by 10% instead.

 50.9859, 0.2967,
0.3381

 50.9859, 0.2967,
0.3381


390.5090, 0.3046,
0.3336

 36.1974, 0.2948,
0.3392


 91.6339, 0.2995,
0.3365

 24.5867, 0.2923,
0.3406

 118.2622, 0.3006,
0.3359

 15.7694, 0.2890,
0.3425


149.6059, 0.3015,
0.3354

 9.3611, 0.2846,
0.3450

186.0494, 0.3023,
0.3349

 4.9775, 0.2780,
0.3488

227.9771, 0.3030,
0.3345

 2.2340, 0.2674,
0.3549

275.7733, 0.3036,

 0.7385, 0.2276,

0.3342

0.3770

329.8225, 0.3041,
0.3339

0.0000, 0.0000,
0.0000

50.9859, 0.2967,
0.3381

50.9859, 0.2967,
0.3381

48.7921, 0.2858,
0.3455

53.5125, 0.3082,
0.3314

46.9105, 0.2758,
0.3534

56.3789, 0.3200,
0.3254

45.3276, 0.2669,
0.3620

59.5999, 0.3320,
0.3200

44.0269, 0.2594,
0.3710

63.1876, 0.3438,
0.3152

42.9899, 0.2537,
0.3804

65.1065, 0.3471,
0.3104

■ 42.1961, 0.2499,
0.3900

■ 65.3668, 0.3431,
0.3054

■ 41.6217, 0.2480,
0.3997

■ 65.6352, 0.3391,
0.3003

■ 41.2380, 0.2480,
0.4093

■ 65.9116, 0.3352,
0.2954

■ 41.0631, 0.2487,
0.4151

■ 66.1962, 0.3314,
0.2905

Harmonies

Analogous

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



50.9859, 0.3100, 0.3488



50.9859, 0.2967, 0.3381



50.9859, 0.2878, 0.3250

Triad

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



50.9859, 0.2967, 0.3381



50.9859, 0.3009, 0.3053



50.9859, 0.3408, 0.3438

Complementary

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



50.9859, 0.2967, 0.3381



42.7029, 0.3317, 0.3201

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.



50.9859, 0.3383, 0.3322



50.9859, 0.2967, 0.3381



50.9859, 0.3150, 0.3103

Square

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



50.9859, 0.2967, 0.3381



50.9859, 0.2902, 0.3063



50.9859, 0.3288, 0.3200



50.9859, 0.3355, 0.3519

Rectangle

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



50.9859, 0.2967, 0.3381



50.9859, 0.2854, 0.3168



50.9859, 0.3288, 0.3200



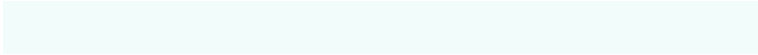
50.9859, 0.3408, 0.3402

Sweetspot

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



50.9880, 0.2967, 0.3381



95.7355, 0.3079, 0.3315



50.9957, 0.3168, 0.3646



20.8848, 0.3070, 0.3320



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.



50.9880, 0.2967, 0.3381



89.9093, 0.2929, 0.3405



48.5325, 0.2916, 0.3207



11.3826, 0.3018, 0.3350



26.7026, 0.2483, 0.4138



1.1645, 0.2424, 0.3925

Inverse Universe

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



42.7029, 0.3317, 0.3201



71.8433, 0.3372, 0.3178



44.8187, 0.3368, 0.3372



10.1197, 0.3249, 0.3231



7.7045, 0.5878, 0.3012



0.3446, 0.5221, 0.2650

Previews

White Background



This preview shows how the Yxy color 50.9859, 0.2967, 0.3381 looks on a white background.

Color Contrast Check

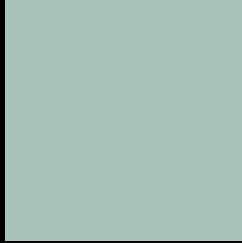
Large Text (above 18pt) WCAG AA × Fail

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 50.9859, 0.2967, 0.3381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

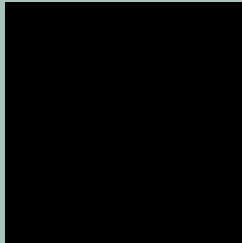
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

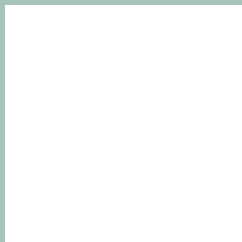
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9859, 0.2967, 0.3381

Background



This preview shows how black text looks on a background with the Yxy color 50.9859, 0.2967, 0.3381.

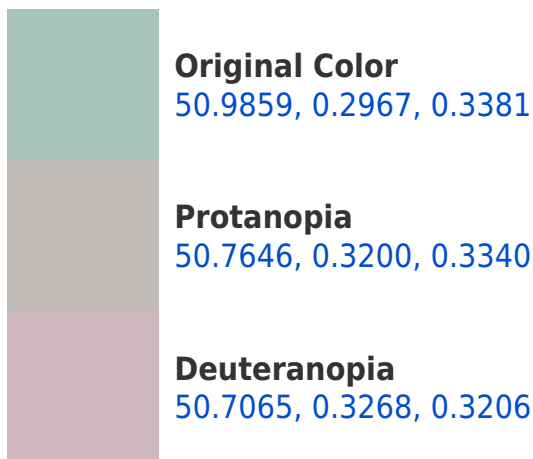


This preview shows how white text looks on a background with the Yxy color 50.9859, 0.2967, 0.3381.

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





Tritanopia

50.8622, 0.2858, 0.3099

Trichromacy



Original Color

50.9859, 0.2967, 0.3381

Protanomaly

50.9547, 0.3115, 0.3366

Deuteranomaly

50.4212, 0.3153, 0.3265

Tritanomaly

50.8561, 0.2898, 0.3199

Monochromacy



Original Color

50.9859, 0.2967, 0.3381

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.5668, 0.3061, 0.3316

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9859, 0.2967, 0.3381 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(168, 195, 188)` looks like.

```
.text, #text, p{  
    color:rgb(168, 195, 188)  
}
```

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(168, 195, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 195, 188) }
```

Border

The CSS property to change the border of an element to Yxy 50.9859, 0.2967, 0.3381 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(168, 195, 188) }
```

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

```
.border{ border-color:rgb(168, 195, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 195, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 195, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 195, 188);  
box-shadow:4px 4px 4px 4px rgb(168, 195,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9859, 0.2967, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 195, 188) }
```

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

```
.background{ background-color: rgb(168,  
195, 188) }
```

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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