

Converting Colors

$Yxy(51.8075, 0.3108, 0.3677)$

Have a look what the booklet for
Yxy(51.8075, 0.3108, 0.3677)
contains.

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Color

Yxy(51.6878, 0.3109, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	A9C6A9
RGB	169, 198, 169
RGB Percent	66%, 78%, 66%
CMY	0.3373, 0.2235, 0.3373
CMYK	0.15, 0.00, 0.15, 0.22
HSL	120°, 20%, 72%
HSV	120°, 15%, 78%
XYZ	43.7153, 51.6878, 45.2057
YIQ	186.0230, -7.9750, -15.1670

Conversions

Conversions Part 2

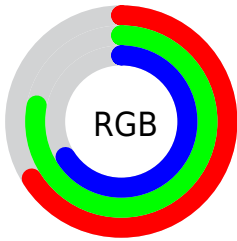
Format	Color
RYB	169, 198, 198
Decimal	11126441
CIELab	77.09, -15.31, 11.30
CIELCh	77, 19.034, 143.564
Yxy	51.6878, 0.3109, 0.3676
Android (android.graphics.Color)	4289316521 (0xFFA9C6A9)
YUV	186.0230, -8.3923, -14.9292
Hunter-Lab	71.8942, -17.2780, 13.0455

Details

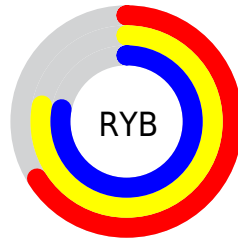
The Yxy color **51.6878, 0.3109, 0.3676** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.4559, 0.3144, 0.2932**, and the grayscale version is **49.1674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7491, 0.3112, 0.3610**, and **25.0128, 0.3104, 0.3784** is the 20% darker color. If you saturate the color by 10%, you get **48.9754, 0.3095, 0.3982**, and if you desaturate by 10%, it is **54.8488, 0.3122, 0.3405**.

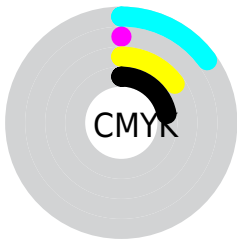
Distribution



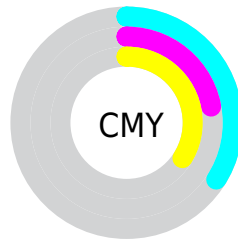
- Red (66%)
- Green (78%)
- Blue (66%)



- Red (66%)
- Yellow (78%)
- Blue (78%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)





- Cyan (34%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6878, 0.3109, 0.3676 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 51.6878, 0.3109, 0.3676 by changing the saturation by 10% instead.


 51.6878, 0.3109,
0.3676

 51.6878, 0.3109,
0.3676


393.2302, 0.3120,
0.3482

 36.7563, 0.3106,
0.3725


 92.6707, 0.3114,
0.3605

 25.0188, 0.3101,
0.3788


 119.4908, 0.3115,
0.3578

 16.0911, 0.3093,
0.3873


151.0426, 0.3116,
0.3556

 9.5886, 0.3082,
0.3991

187.7104, 0.3118,
0.3537

 5.1271, 0.3062,
0.4170

229.8787, 0.3118,
0.3520

 2.3220, 0.3022,
0.4469

277.9318, 0.3119,

 0.7853, 0.3048,

0.3506

0.6423

332.2542, 0.3120,
0.3493

0.0000, 0.0000,
0.0000

51.6878, 0.3109,
0.3676

51.6878, 0.3109,
0.3676

48.9754, 0.3095,
0.3982

54.8488, 0.3122,
0.3405

46.6850, 0.3079,
0.4317

58.4705, 0.3133,
0.3168

44.7976, 0.3062,
0.4671

62.5727, 0.3143,
0.2963

43.2897, 0.3046,
0.5027

67.1719, 0.3151,
0.2787

42.1357, 0.3030,
0.5358

68.8718, 0.3153,
0.2732

■ 41.3068, 0.3017,
0.5639

■ 40.7696, 0.3007,
0.5843

■ 40.4835, 0.3002,
0.5961

■ 40.3919, 0.3000,
0.6000

Harmonies

Analogous

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



51.6878, 0.3363, 0.3748



51.6878, 0.3109, 0.3676



51.6878, 0.2867, 0.3486

Triad

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



51.6878, 0.3109, 0.3676



51.6878, 0.2706, 0.2893



51.6878, 0.3575, 0.3310

Complementary

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



51.6878, 0.3109, 0.3676



44.4559, 0.3144, 0.2932

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.



51.6878, 0.3385, 0.3102



51.6878, 0.3109, 0.3676



51.6878, 0.2882, 0.2866

Square

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



51.6878, 0.3109, 0.3676



51.6878, 0.2641, 0.3027



51.6878, 0.3129, 0.2942



51.6878, 0.3639, 0.3522

Rectangle

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



51.6878, 0.3109, 0.3676



51.6878, 0.2743, 0.3325



51.6878, 0.3129, 0.2942



51.6878, 0.3523, 0.3238

Sweetspot

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



51.6900, 0.3109, 0.3676



97.4770, 0.3122, 0.3390



55.2628, 0.3344, 0.3649



20.7658, 0.3122, 0.3409



0.0000, 0.0000, 0.0000



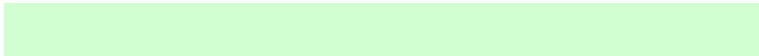
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6900, 0.3109, 0.3676



89.6988, 0.3104, 0.3783



52.2653, 0.3006, 0.3480



11.8879, 0.3116, 0.3529



26.2655, 0.3000, 0.6000



1.2437, 0.3000, 0.5999

Inverse Universe

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



44.4559, 0.3144, 0.2932



74.1293, 0.3148, 0.2842



43.8183, 0.3268, 0.3108



10.8166, 0.3138, 0.3062



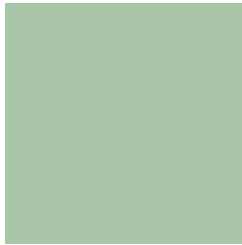
10.4579, 0.3210, 0.1542



0.4952, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 51.6878, 0.3109, 0.3676 looks on a white background.

Color Contrast Check

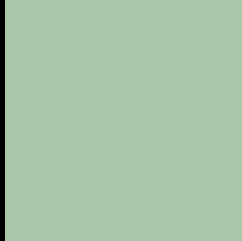
Large Text (above 18pt) WCAG AA × Fail

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 51.6878, 0.3109, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

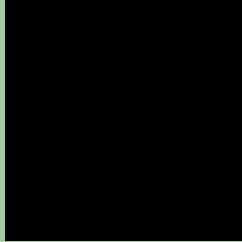
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6878, 0.3109, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 51.6878, 0.3109, 0.3676.



This preview shows how white text looks on a background with the Yxy color 51.6878, 0.3109, 0.3676.

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

51.6878, 0.3109, 0.3676

Protanopia

51.2539, 0.3401, 0.3591

Deuteranopia

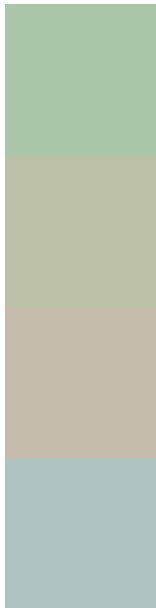
51.2926, 0.3497, 0.3423



Tritanopia

51.8080, 0.2881, 0.3101

Trichromacy



Original Color

51.6878, 0.3109, 0.3676

Protanomaly

51.1438, 0.3293, 0.3624

Deuteranomaly

50.9125, 0.3346, 0.3503

Tritanomaly

51.8095, 0.2963, 0.3302

Monochromacy



Original Color

51.6878, 0.3109, 0.3676

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

49.8255, 0.3121, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6878, 0.3109, 0.3676 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(169, 198, 169)` looks like.

```
.text, #text, p{  
    color:rgb(169, 198, 169)  
}
```

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(169, 198, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 198, 169) }
```

Border

The CSS property to change the border of an element to Yxy 51.6878, 0.3109, 0.3676 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(169, 198, 169) }
```

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

```
.border{ border-color:rgb(169, 198, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 198, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 198, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 198, 169);  
box-shadow:4px 4px 4px 4px rgb(169, 198,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6878, 0.3109, 0.3676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 198, 169) }
```

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

```
.background{ background-color: rgb(169,  
198, 169) }
```

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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