

Converting Colors

$Yxy(49.6106, 0.3101, 0.3808)$

Have a look what the booklet for
Yxy(49.6106, 0.3101, 0.3808)
contains.

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Color

Yxy(49.8066, 0.3103, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	9FC59F
RGB	159, 197, 159
RGB Percent	62%, 77%, 62%
CMY	0.3762, 0.2275, 0.3764
CMYK	0.19, 0.00, 0.19, 0.23
HSL	120°, 25%, 70%
HSV	120°, 19%, 77%
XYZ	40.5324, 49.8066, 40.2842
YIQ	181.3060, -10.4500, -19.8740

Conversions

Conversions Part 2

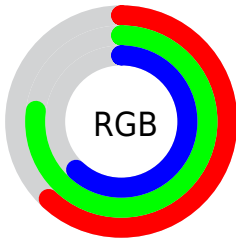
Format	Color
RYB	159, 197, 197
Decimal	10470815
CIELab	75.95, -19.99, 14.96
CIELCh	76, 24.965, 143.193
Yxy	49.8066, 0.3103, 0.3813
Android (android.graphics.Color)	4288660895 (0xFF9FC59F)
YUV	181.3060, -10.9969, -19.5624
Hunter-Lab	70.5738, -20.9870, 15.5584

Details

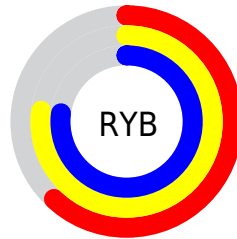
The Yxy color **49.8066, 0.3103, 0.3813** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.6944, 0.3149, 0.2817**, and the grayscale version is **46.4550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0348, 0.3107, 0.3715**, and **23.8323, 0.3095, 0.3978** is the 20% darker color. If you saturate the color by 10%, you get **47.3235, 0.3088, 0.4133**, and if you desaturate by 10%, it is **52.7231, 0.3116, 0.3526**.

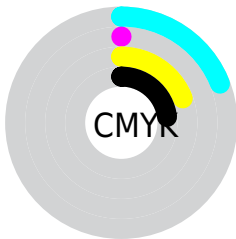
Distribution



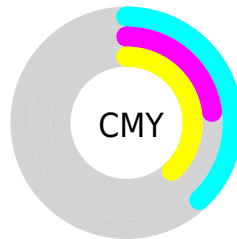
- Red (62%)
- Green (77%)
- Blue (62%)



- Red (62%)
- Yellow (77%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)




- Cyan (38%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8066, 0.3103, 0.3813 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 49.8066, 0.3103, 0.3813 by changing the saturation by 10% instead.


 49.8066, 0.3103,
0.3813


 49.8066, 0.3103,
0.3813


385.9091, 0.3119,
0.3546

 35.2598, 0.3098,
0.3881


 89.8883, 0.3110,
0.3715

 23.8630, 0.3090,
0.3970


 116.1919, 0.3112,
0.3678

 15.2321, 0.3078,
0.4090


147.1832, 0.3114,
0.3647

 8.9824, 0.3059,
0.4260

183.2466, 0.3115,
0.3621

 4.7297, 0.3023,
0.4520

224.7665, 0.3117,
0.3599

 2.0896, 0.2949,
0.4967

272.1273, 0.3118,

 0.6587, 0.1734,

0.3579

0.8266

325.7134, 0.3119,
0.3561

0.0000, 0.0000,
0.0000

49.8066, 0.3103,
0.3813

49.8066, 0.3103,
0.3813

47.3235, 0.3088,
0.4133

52.7231, 0.3116,
0.3526

45.2472, 0.3072,
0.4479

56.0856, 0.3128,
0.3273

43.5578, 0.3055,
0.4836

59.9139, 0.3138,
0.3054

42.2316, 0.3039,
0.5184

64.2249, 0.3147,
0.2865

41.2418, 0.3024,
0.5495

68.4076, 0.3154,
0.2722

■ 40.5583, 0.3013,
0.5743

■ 40.1455, 0.3005,
0.5908

■ 39.9415, 0.3000,
0.5994

■ 39.9292, 0.3000,
0.6000

Harmonies

Analogous

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



49.8066, 0.3440, 0.3902



49.8066, 0.3103, 0.3813



49.8066, 0.2785, 0.3556

Triad

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



49.8066, 0.3103, 0.3813



49.8066, 0.2572, 0.2768



49.8066, 0.3721, 0.3307

Complementary

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



49.8066, 0.3103, 0.3813



40.6944, 0.3149, 0.2817

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.



49.8066, 0.3464, 0.3038



49.8066, 0.3103, 0.3813



49.8066, 0.2798, 0.2735

Square

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



49.8066, 0.3103, 0.3813



49.8066, 0.2490, 0.2940



49.8066, 0.3122, 0.2834



49.8066, 0.3809, 0.3586

Rectangle

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



49.8066, 0.3103, 0.3813



49.8066, 0.2623, 0.3337



49.8066, 0.3122, 0.2834



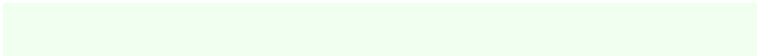
49.8066, 0.3651, 0.3213

Sweetspot

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



49.8087, 0.3103, 0.3813



96.2697, 0.3120, 0.3441



54.0134, 0.3416, 0.3757



20.5227, 0.3119, 0.3459



0.0000, 0.0000, 0.0000



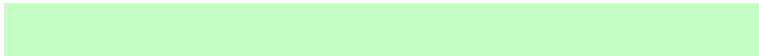
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8087, 0.3103, 0.3813



87.3143, 0.3097, 0.3940



50.4891, 0.2974, 0.3555



11.8885, 0.3116, 0.3529



26.2668, 0.3000, 0.6000



1.2440, 0.3001, 0.5999

Inverse Universe

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



40.6944, 0.3149, 0.2817



68.1038, 0.3154, 0.2716



39.9101, 0.3315, 0.3040



10.8159, 0.3138, 0.3062



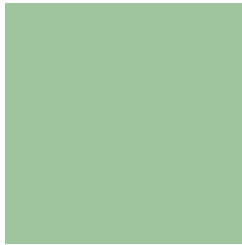
10.4372, 0.3206, 0.1540



0.4944, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 49.8066, 0.3103, 0.3813 looks on a white background.

Color Contrast Check

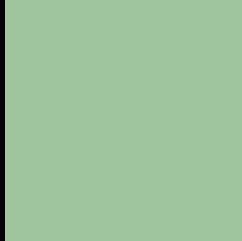
Large Text (above 18pt) WCAG AA × Fail

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 49.8066, 0.3103, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

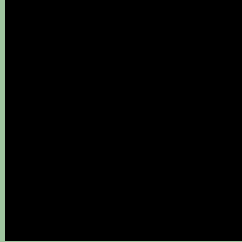
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8066, 0.3103, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 49.8066, 0.3103, 0.3813.



This preview shows how white text looks on a background with the Yxy color 49.8066, 0.3103, 0.3813.

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

49.8066, 0.3103, 0.3813

Protanopia

49.3212, 0.3480, 0.3698

Deuteranopia

49.4330, 0.3564, 0.3497



Tritanopia

49.9333, 0.2834, 0.3096

Trichromacy



Original Color

49.8066, 0.3103, 0.3813

Protanomaly

49.2945, 0.3332, 0.3738

Deuteranomaly

49.0639, 0.3379, 0.3598

Tritanomaly

49.7066, 0.2929, 0.3342

Monochromacy



Original Color

49.8066, 0.3103, 0.3813

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4420, 0.3118, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8066, 0.3103, 0.3813 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(159, 197, 159)` looks like.

```
.text, #text, p{  
    color:rgb(159, 197, 159)  
}
```

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(159, 197, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 197, 159) }
```

Border

The CSS property to change the border of an element to Yxy 49.8066, 0.3103, 0.3813 is called "border". The border property can be set on classes, ids or directly on the HTML element.

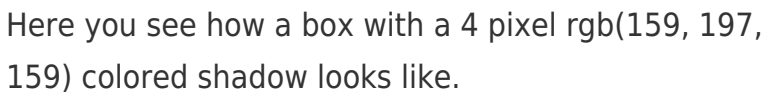
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 197, 159) }
```

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

```
.border{ border-color:rgb(159, 197, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 197, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 197, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 197, 159); box-shadow:4px 4px 4px 4px rgb(159, 197, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8066, 0.3103, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 197, 159) }
```

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

```
.background{ background-color: rgb(159,  
197, 159) }
```

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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