

Converting Colors

$Yxy(49.0362, 0.3097, 0.3941)$

Have a look what the booklet for
Yxy(49.0362, 0.3097, 0.3941)
contains.

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Color

Yxy(49.2018, 0.3096, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	97C697
RGB	151, 198, 151
RGB Percent	59%, 78%, 59%
CMY	0.4078, 0.2235, 0.4078
CMYK	0.24, 0.00, 0.24, 0.22
HSL	120°, 29%, 68%
HSV	120°, 24%, 78%
XYZ	38.5447, 49.2018, 36.7520
YIQ	178.5890, -12.9250, -24.5810

Conversions

Conversions Part 2

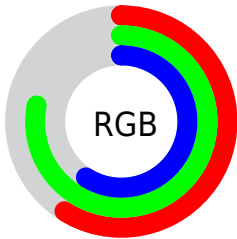
Format	Color
R_{YB}	151, 198, 198
Decimal	9946775
CIE _{Lab}	75.58, -24.63, 18.64
CIE _{LCh}	76, 30.890, 142.888
Yxy	49.2018, 0.3096, 0.3952
Android (android.graphics.Color)	4288136855 (0xFF97C697)
YUV	178.5890, -13.6014, -24.1956
Hunter-Lab	70.1440, -24.6647, 18.0358

Details

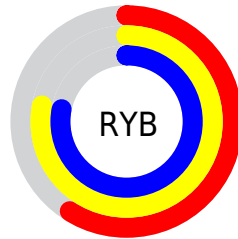
The Yxy color **49.2018, 0.3096, 0.3952** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2184, 0.3155, 0.2706**, and the grayscale version is **44.9305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0496, 0.3108, 0.3831**, and **23.5193, 0.3077, 0.4154** is the 20% darker color. If you saturate the color by 10%, you get **46.8755, 0.3080, 0.4285**, and if you desaturate by 10%, it is **51.9584, 0.3110, 0.3650**.

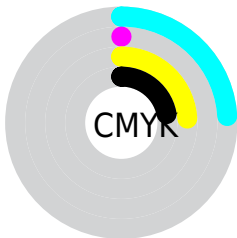
Distribution



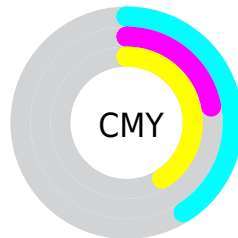
- Red (59%)
- Green (78%)
- Blue (59%)



- Red (59%)
- Yellow (78%)
- Blue (78%)



- Cyan (24%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)





- Cyan (41%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2018, 0.3096, 0.3952 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 49.2018, 0.3096, 0.3952 by changing the saturation by 10% instead.


 49.2018, 0.3096,
0.3952


 49.2018, 0.3096,
0.3952


383.5362, 0.3118,
0.3611

 34.7796, 0.3088,
0.4040


 88.9911, 0.3106,
0.3826

 23.4931, 0.3077,
0.4155

 115.1270, 0.3109,
0.3779

 14.9581, 0.3059,
0.4311


145.9362, 0.3111,
0.3740

 8.7900, 0.3029,
0.4533

181.8031, 0.3113,
0.3707

 4.6044, 0.2974,
0.4875

223.1122, 0.3115,
0.3678

 2.0171, 0.2890,
0.5534

270.2478, 0.3116,

 0.6174, 0.0000,

0.3653

1.0000

323.5944, 0.3117,
0.3631

0.0000, 0.0000,
0.0000

49.2018, 0.3096,
0.3952

49.2018, 0.3096,
0.3952

46.8755, 0.3080,
0.4285

51.9584, 0.3110,
0.3650

44.9520, 0.3064,
0.4638

55.1588, 0.3123,
0.3381

43.4103, 0.3047,
0.4994

58.8238, 0.3134,
0.3147

42.2249, 0.3031,
0.5329

62.9706, 0.3143,
0.2945

41.3674, 0.3018,
0.5615

67.6161, 0.3152,
0.2772

■ 40.8048, 0.3008,
0.5828

■ 68.8687, 0.3153,
0.2732

■ 40.4976, 0.3002,
0.5954

■ 40.3889, 0.3000,
0.6000

Harmonies

Analogous

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



49.2018, 0.3513, 0.4055



49.2018, 0.3096, 0.3952



49.2018, 0.2705, 0.3627

Triad

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



49.2018, 0.3096, 0.3952



49.2018, 0.2444, 0.2648



49.2018, 0.3865, 0.3300

Complementary

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



49.2018, 0.3096, 0.3952



38.2184, 0.3155, 0.2706

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.



49.2018, 0.3541, 0.2977



49.2018, 0.3096, 0.3952



49.2018, 0.2715, 0.2611

Square

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



49.2018, 0.3096, 0.3952



49.2018, 0.2346, 0.2854



49.2018, 0.3113, 0.2731



49.2018, 0.3975, 0.3641

Rectangle

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



49.2018, 0.3096, 0.3952



49.2018, 0.2508, 0.3348



49.2018, 0.3113, 0.2731



49.2018, 0.3777, 0.3187

Sweetspot

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



49.2039, 0.3096, 0.3952



95.6739, 0.3119, 0.3468



54.6293, 0.3482, 0.3876



20.4024, 0.3118, 0.3484



0.0000, 0.0000, 0.0000



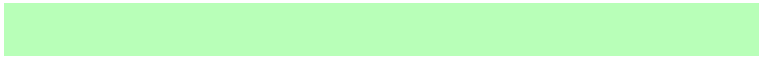
21.4041, 0.3127, 0.3290

Same Dimension

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



49.2039, 0.3096, 0.3952



85.1058, 0.3089, 0.4105



50.0445, 0.2935, 0.3613



11.8879, 0.3116, 0.3529



26.2656, 0.3000, 0.6000



1.2437, 0.3000, 0.5999

Inverse Universe

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



38.2184, 0.3155, 0.2706



62.5937, 0.3160, 0.2591



37.2175, 0.3376, 0.2989



10.8166, 0.3138, 0.3062



10.4575, 0.3210, 0.1542



0.4952, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 49.2018, 0.3096, 0.3952 looks on a white background.

Color Contrast Check

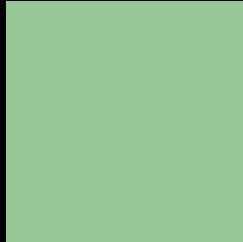
Large Text (above 18pt) WCAG AA × Fail

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 49.2018, 0.3096, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

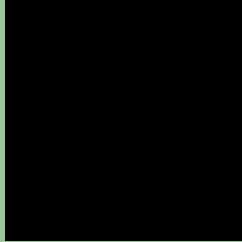
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2018, 0.3096, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 49.2018, 0.3096, 0.3952.

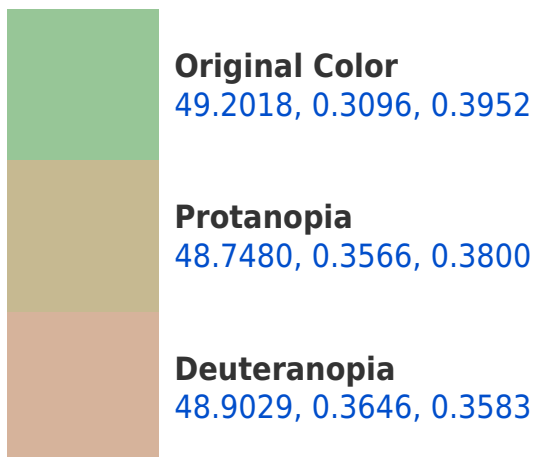


This preview shows how white text looks on a background with the Yxy color 49.2018, 0.3096, 0.3952.

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

49.2949, 0.2791, 0.3094

Trichromacy



Original Color

49.2018, 0.3096, 0.3952

Protanomaly

48.7573, 0.3385, 0.3862

Deuteranomaly

48.5273, 0.3426, 0.3705

Tritanomaly

49.2968, 0.2898, 0.3397

Monochromacy



Original Color

49.2018, 0.3096, 0.3952

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4174, 0.3116, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2018, 0.3096, 0.3952 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, 198, 151)` looks like.

```
.text, #text, p{  
    color:rgb(151, 198, 151)  
}
```

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, 198, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 198, 151) }
```

Border

The CSS property to change the border of an element to Yxy 49.2018, 0.3096, 0.3952 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, 198, 151) }
```

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

```
.border{ border-color:rgb(151, 198, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 198, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 198, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 198, 151);  
box-shadow:4px 4px 4px 4px rgb(151, 198,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2018, 0.3096, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 198, 151) }
```

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

```
.background{ background-color: rgb(151,  
198, 151) }
```

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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