

Converting Colors

$Yxy(48.9059, 0.3120, 0.3950)$

Have a look what the booklet for
Yxy(48.9059, 0.3120, 0.3950)
contains.

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Color

Yxy(48.9068, 0.3119, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	99C596
RGB	153, 197, 150
RGB Percent	60%, 77%, 59%
CMY	0.4000, 0.2274, 0.4117
CMYK	0.22, 0.00, 0.24, 0.23
HSL	116°, 29%, 68%
HSV	116°, 24%, 77%
XYZ	38.6080, 48.9068, 36.2685
YIQ	178.4860, -11.1370, -23.9450

Conversions

Conversions Part 2

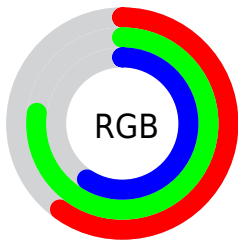
Format	Color
RYB	150, 197, 194
Decimal	10077590
CIELab	75.39, -23.64, 18.94
CIElCh	75, 30.289, 141.306
Yxy	48.9068, 0.3119, 0.3951
Android (android.graphics.Color)	4288267670 (0xFF99C596)
YUV	178.4860, -14.0436, -22.3512
Hunter-Lab	69.9334, -23.8392, 18.2047

Details

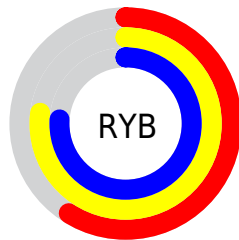
The Yxy color **48.9068, 0.3119, 0.3951** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.3261, 0.3126, 0.2698**, and the grayscale version is **44.8729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6532, 0.3126, 0.3831**, and **23.3125, 0.3107, 0.4153** is the 20% darker color. If you saturate the color by 10%, you get **46.6675, 0.3112, 0.4279**, and if you desaturate by 10%, it is **51.5348, 0.3124, 0.3651**.

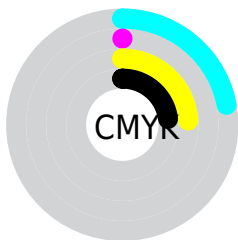
Distribution



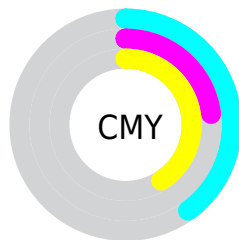
- Red (60%)
- Green (77%)
- Blue (59%)



- Red (59%)
- Yellow (77%)
- Blue (76%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (23%)





- Cyan (40%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9068, 0.3119, 0.3951 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 48.9068, 0.3119, 0.3951 by changing the saturation by 10% instead.


 48.9068, 0.3119,
0.3951


 48.9068, 0.3119,
0.3951


382.3753, 0.3130,
0.3611

 34.5456, 0.3114,
0.4039


 88.5530, 0.3125,
0.3825

 23.3130, 0.3106,
0.4154


 114.6068, 0.3126,
0.3778

 14.8248, 0.3093,
0.4309


145.3268, 0.3127,
0.3739

 8.6965, 0.3070,
0.4531

181.0976, 0.3128,
0.3706

 4.5438, 0.3024,
0.4873

222.3034, 0.3129,
0.3677

 1.9822, 0.2964,
0.5548

269.3287, 0.3129,

 0.5971, 0.0000,

0.3652

1.0000

322.5579, 0.3130,
0.3630

0.0000, 0.0000,
0.0000

48.9068, 0.3119,
0.3951

48.9068, 0.3119,
0.3951

46.6675, 0.3112,
0.4279

51.5348, 0.3124,
0.3651

44.7924, 0.3102,
0.4627

54.5621, 0.3127,
0.3384

43.2644, 0.3089,
0.4977

58.0065, 0.3128,
0.3150

42.0618, 0.3073,
0.5308

61.8832, 0.3128,
0.2946

41.1612, 0.3055,
0.5593

66.2064, 0.3127,
0.2770

■ 40.5356, 0.3036,
0.5808

■ 68.4148, 0.3154,
0.2722

■ 40.1533, 0.3019,
0.5941

■ 40.0161, 0.3013,
0.5990

Harmonies

Analogous

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



48.9068, 0.3527, 0.4040



48.9068, 0.3119, 0.3951



48.9068, 0.2730, 0.3641

Triad

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



48.9068, 0.3119, 0.3951



48.9068, 0.2446, 0.2665



48.9068, 0.3840, 0.3283

Complementary

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



48.9068, 0.3119, 0.3951



37.3261, 0.3126, 0.2698

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.



48.9068, 0.3513, 0.2967



48.9068, 0.3119, 0.3951



48.9068, 0.2705, 0.2620

Square

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



48.9068, 0.3119, 0.3951



48.9068, 0.2359, 0.2877



48.9068, 0.3091, 0.2730



48.9068, 0.3960, 0.3619

Rectangle

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



48.9068, 0.3119, 0.3951



48.9068, 0.2531, 0.3369



48.9068, 0.3091, 0.2730



48.9068, 0.3750, 0.3172

Sweetspot

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



48.9089, 0.3119, 0.3951



95.8683, 0.3126, 0.3468



52.6008, 0.3492, 0.3842



20.4473, 0.3126, 0.3484



0.0000, 0.0000, 0.0000



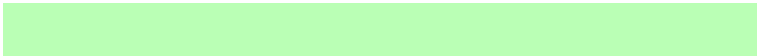
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9089, 0.3119, 0.3951



85.2622, 0.3115, 0.4132



49.3378, 0.2955, 0.3659



11.9193, 0.3125, 0.3528



26.3320, 0.3016, 0.5988



1.2582, 0.3071, 0.5944

Inverse Universe

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



37.3261, 0.3126, 0.2698



60.6732, 0.3125, 0.2558



36.8515, 0.3347, 0.2948



10.7812, 0.3128, 0.3062



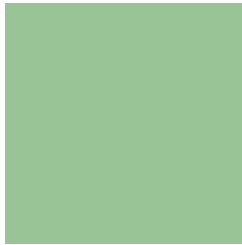
9.4137, 0.3053, 0.1455



0.4563, 0.3087, 0.1474

Previews

White Background



This preview shows how the Yxy color 48.9068, 0.3119, 0.3951 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 48.9068, 0.3119, 0.3951 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 48.9068, 0.3119, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 48.9068, 0.3119, 0.3951.



This preview shows how white text looks on a background with the Yxy color 48.9068, 0.3119, 0.3951.

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

48.9068, 0.3119, 0.3951

Protanopia

48.5819, 0.3565, 0.3815

Deuteranopia

48.4700, 0.3658, 0.3583



Tritanopia

48.9161, 0.2804, 0.3094

Trichromacy



Original Color

48.9068, 0.3119, 0.3951

Protanomaly

48.2943, 0.3395, 0.3863

Deuteranomaly

48.2043, 0.3446, 0.3705

Tritanomaly

49.0136, 0.2920, 0.3397

Monochromacy



Original Color

48.9068, 0.3119, 0.3951

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.9601, 0.3125, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9068, 0.3119, 0.3951 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(153, 197, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 197, 150)  
}
```

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(153, 197, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 197, 150) }
```

Border

The CSS property to change the border of an element to Yxy 48.9068, 0.3119, 0.3951 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(153, 197, 150) }
```

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

```
.border{ border-color:rgb(153, 197, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 197, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 197, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 197, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 197,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9068, 0.3119, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 197, 150) }
```

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

```
.background{ background-color: rgb(153,  
197, 150) }
```

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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