

Converting Colors

$Yxy(49.0947, 0.2986, 0.3871)$

Have a look what the booklet for
Yxy(49.0947, 0.2986, 0.3871)
contains.

Yxy(49.1551, 0.2988, 0.3873)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1551, 0.2988, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	8FC79E
RGB	143, 199, 158
RGB Percent	56%, 78%, 62%
CMY	0.4392, 0.2196, 0.3804
CMYK	0.28, 0.00, 0.21, 0.22
HSL	136°, 33%, 67%
HSV	136°, 28%, 78%
XYZ	37.9229, 49.1551, 39.8394
YIQ	177.5820, -20.2150, -24.6230

Conversions

Conversions Part 2

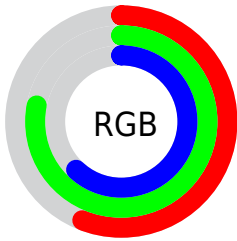
Format	Color
RYB	143, 187, 199
Decimal	9422750
CIELab	75.55, -26.51, 14.79
CIELCh	76, 30.357, 150.837
Yxy	49.1551, 0.2988, 0.3873
Android (android.graphics.Color)	4287612830 (0xFF8FC79E)
YUV	177.5820, -9.6539, -30.3284
Hunter-Lab	70.1107, -26.1430, 15.3868

Details

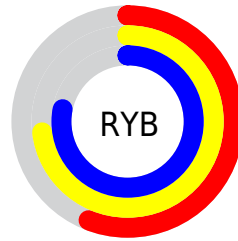
The Yxy color **49.1551, 0.2988, 0.3873** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.2482, 0.3304, 0.2771**, and the grayscale version is **44.3496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3299, 0.3016, 0.3748**, and **23.5365, 0.2938, 0.4045** is the 20% darker color. If you saturate the color by 10%, you get **47.0635, 0.2944, 0.4123**, and if you desaturate by 10%, it is **51.6254, 0.3036, 0.3644**.

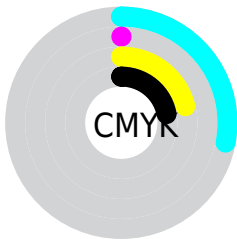
Distribution



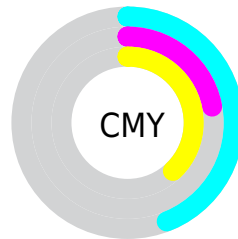
- Red (56%)
- Green (78%)
- Blue (62%)



- Red (56%)
- Yellow (73%)
- Blue (78%)



- Cyan (28%)
- Magenta (0%)
- Yellow (21%)
- Black (22%)





- Cyan (44%)
- Magenta (22%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1551, 0.2988, 0.3873 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 49.1551, 0.2988, 0.3873 by changing the saturation by 10% instead.


 49.1551, 0.2988,
0.3873

 49.1551, 0.2988,
0.3873


383.3526, 0.3062,
0.3573

 34.7425, 0.2968,
0.3951


 88.9218, 0.3016,
0.3762

 23.4646, 0.2941,
0.4052


 115.0447, 0.3026,
0.3721

 14.9369, 0.2903,
0.4189


145.8398, 0.3035,
0.3686

 8.7751, 0.2848,
0.4386

181.6915, 0.3042,
0.3657

 4.5948, 0.2757,
0.4691

222.9843, 0.3048,
0.3632

 2.0115, 0.2592,
0.5226

270.1024, 0.3054,

 0.6142, 0.0000,

0.3610

1.0000

323.4304, 0.3058,
0.3590

0.0000, 0.0000,
0.0000

49.1551, 0.2988,
0.3873

49.1551, 0.2988,
0.3873

47.0635, 0.2944,
0.4123

51.6254, 0.3036,
0.3644

45.3256, 0.2906,
0.4391

54.4855, 0.3086,
0.3440

43.9231, 0.2878,
0.4670

57.7538, 0.3136,
0.3258

42.8336, 0.2863,
0.4948

61.4457, 0.3185,
0.3099

42.0316, 0.2863,
0.5212

65.5757, 0.3232,
0.2960

■ 41.4877, 0.2878,
0.5448

■ 68.7265, 0.3221,
0.2831

■ 41.1583, 0.2905,
0.5645

■ 69.3286, 0.3153,
0.2742

■ 41.1087, 0.2910,
0.5677

Harmonies

Analogous

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



49.1551, 0.3402, 0.4039



49.1551, 0.2988, 0.3873



49.1551, 0.2627, 0.3514

Triad

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



49.1551, 0.2988, 0.3873



49.1551, 0.2510, 0.2632



49.1551, 0.3905, 0.3391

Complementary

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



49.1551, 0.2988, 0.3873



35.2482, 0.3304, 0.2771

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.



49.1551, 0.3634, 0.3061



49.1551, 0.2988, 0.3873



49.1551, 0.2817, 0.2639

Square

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



49.1551, 0.2988, 0.3873



49.1551, 0.2366, 0.2792



49.1551, 0.3227, 0.2793



49.1551, 0.3948, 0.3719

Rectangle

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



49.1551, 0.2988, 0.3873



49.1551, 0.2461, 0.3239



49.1551, 0.3227, 0.2793



49.1551, 0.3837, 0.3278

Sweetspot

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



49.1572, 0.2988, 0.3873



95.4094, 0.3086, 0.3439



53.0307, 0.3421, 0.4016



20.2481, 0.3079, 0.3469



0.0000, 0.0000, 0.0000



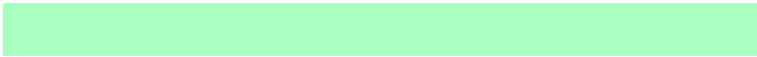
21.4041, 0.3127, 0.3290

Same Dimension

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



49.1572, 0.2988, 0.3873



83.6629, 0.2959, 0.4030



50.2308, 0.2804, 0.3469



11.9338, 0.3080, 0.3464



26.4453, 0.2904, 0.5654



1.2646, 0.2784, 0.5221

Inverse Universe

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



35.2482, 0.3304, 0.2771



55.1892, 0.3355, 0.2651



34.1903, 0.3594, 0.3120



10.7662, 0.3178, 0.3122



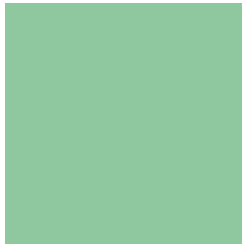
9.1509, 0.4018, 0.1987



0.4449, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 49.1551, 0.2988, 0.3873 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 49.1551, 0.2988, 0.3873 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 49.1551, 0.2988, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 49.1551, 0.2988, 0.3873.



This preview shows how white text looks on a background with the Yxy color 49.1551, 0.2988, 0.3873.

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

49.1551, 0.2988, 0.3873

Protanopia

48.6681, 0.3498, 0.3726

Deuteranopia

48.8459, 0.3566, 0.3498



Tritanopia

48.9287, 0.2717, 0.3078

Trichromacy



Original Color

49.1551, 0.2988, 0.3873

Protanomaly

48.5071, 0.3296, 0.3772

Deuteranomaly

48.2558, 0.3334, 0.3617

Tritanomaly

49.1375, 0.2815, 0.3357

Monochromacy



Original Color

49.1551, 0.2988, 0.3873

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.0574, 0.3068, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1551, 0.2988, 0.3873 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(143, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(143, 199, 158)  
}
```

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(143, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 199, 158) }
```

Border

The CSS property to change the border of an element to Yxy 49.1551, 0.2988, 0.3873 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(143, 199, 158) }
```

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

```
.border{ border-color:rgb(143, 199, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 199, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 199, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 199, 158); box-shadow:4px 4px 4px 4px rgb(143, 199, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1551, 0.2988, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 199, 158) }
```

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

```
.background{ background-color: rgb(143,  
199, 158) }
```

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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