

# Converting Colors

Yxy(49.8539, 0.3017, 0.3897)

Have a look what the booklet for  
Yxy(49.8539, 0.3017, 0.3897)  
contains.

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# Color

**Yxy(49.8539, 0.3017, 0.3897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C89D
RGB	146, 200, 157
RGB Percent	57%, 78%, 62%
CMY	0.4274, 0.2157, 0.3844
CMYK	0.27, 0.00, 0.22, 0.22
HSL	132°, 33%, 68%
HSV	132°, 27%, 78%
XYZ	38.5962, 49.8539, 39.4789
YIQ	178.9520, -18.3810, -24.8210

# Conversions

## Conversions Part 2

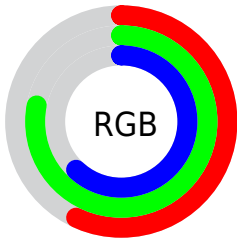
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 191, 200
Decimal	9619613
CIELab	75.98, -26.20, 15.97
CIELCh	76, 30.688, 148.640
Yxy	49.8539, 0.3017, 0.3897
Android (android.graphics.Color)	4287809693 (0xFF92C89D)
YUV	178.9520, -10.8223, -28.8989
Hunter-Lab	70.6073, -25.9891, 16.2741

# Details

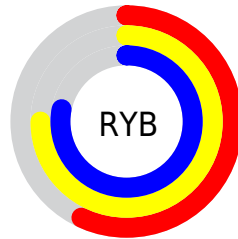
The Yxy color **49.8539, 0.3017, 0.3897** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.5211, 0.3261, 0.2751**, and the grayscale version is **45.1214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6910, 0.3039, 0.3757**, and **23.9781, 0.2975, 0.4077** is the 20% darker color. If you saturate the color by 10%, you get **47.6709, 0.2979, 0.4168**, and if you desaturate by 10%, it is **52.4328, 0.3057, 0.3650**.

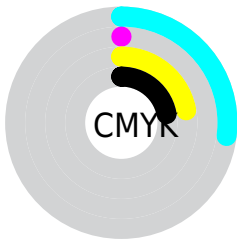
# Distribution



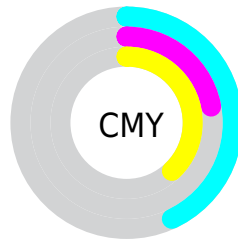
- Red (57%)
- Green (78%)
- Blue (62%)



- Red (57%)
- Yellow (75%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (43%)
- Magenta (22%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8539, 0.3017, 0.3897 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 49.8539, 0.3017, 0.3897 by changing the saturation by 10% instead.




 49.8539, 0.3017,  
0.3897


 49.8539, 0.3017,  
0.3897


386.0943, 0.3077,  
0.3585

 35.2973, 0.3000,  
0.3977


 89.9584, 0.3040,  
0.3782

 23.8920, 0.2978,  
0.4082


 116.2751, 0.3049,  
0.3739

 15.2535, 0.2946,  
0.4224


147.2806, 0.3055,  
0.3703

 8.9975, 0.2897,  
0.4427

183.3593, 0.3061,  
0.3673

 4.7396, 0.2817,  
0.4740

224.8956, 0.3066,  
0.3646

 2.0953, 0.2670,  
0.5287

272.2740, 0.3070,

 0.6620, 0.0000,

0.3623

1.0000

325.8788, 0.3074,  
0.3603

0.0000, 0.0000,  
0.0000

49.8539, 0.3017,  
0.3897

49.8539, 0.3017,  
0.3897

47.6709, 0.2979,  
0.4168

52.4328, 0.3057,  
0.3650

45.8580, 0.2947,  
0.4458

55.4194, 0.3099,  
0.3429

44.3962, 0.2922,  
0.4758

58.8326, 0.3139,  
0.3234

43.2623, 0.2908,  
0.5054

62.6885, 0.3179,  
0.3063

42.4302, 0.2906,  
0.5330

67.0022, 0.3216,  
0.2915

■ 41.8695, 0.2917,  
0.5568

■ 69.6366, 0.3169,  
0.2774

■ 41.5404, 0.2939,  
0.5755

■ 69.7889, 0.3152,  
0.2752

■ 41.4662, 0.2945,  
0.5802

# Harmonies

## Analogous

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



49.8539, 0.3433, 0.4046



49.8539, 0.3017, 0.3897



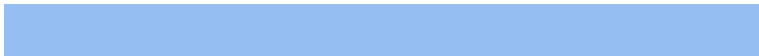
49.8539, 0.2647, 0.3546

# Triad

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



49.8539, 0.3017, 0.3897



49.8539, 0.2490, 0.2634



49.8539, 0.3897, 0.3366

# Complementary

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



49.8539, 0.3017, 0.3897



36.5211, 0.3261, 0.2751

# 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.



49.8539, 0.3610, 0.3037



49.8539, 0.3017, 0.3897



49.8539, 0.2788, 0.2629

# Square

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



49.8539, 0.3017, 0.3897



49.8539, 0.2358, 0.2807



49.8539, 0.3196, 0.2775



49.8539, 0.3958, 0.3699



# Rectangle

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



49.8539, 0.3017, 0.3897



49.8539, 0.2472, 0.3268



49.8539, 0.3196, 0.2775



49.8539, 0.3823, 0.3253

# Sweetspot

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



49.8560, 0.3017, 0.3897



95.3309, 0.3094, 0.3453



54.2301, 0.3439, 0.3978



20.2285, 0.3088, 0.3485



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

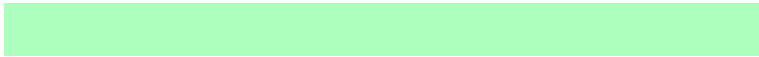


# Same Dimension

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



49.8560, 0.3017, 0.3897



84.1662, 0.2996, 0.4043



50.8749, 0.2839, 0.3511



11.9225, 0.3089, 0.3479



26.3760, 0.2939, 0.5782



1.2596, 0.2830, 0.5389



# Inverse Universe

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



36.5211, 0.3261, 0.2751



57.4993, 0.3295, 0.2640



35.4615, 0.3531, 0.3081



10.7783, 0.3168, 0.3108



9.4211, 0.3794, 0.1864



0.4557, 0.3650, 0.1784



# Previews

## White Background



This preview shows how the Yxy color 49.8539, 0.3017, 0.3897 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 49.8539, 0.3017, 0.3897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

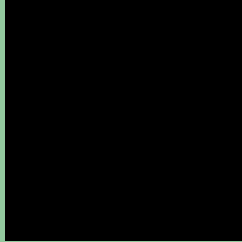
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8539, 0.3017, 0.3897**

## Background



This preview shows how black text looks on a background with the Yxy color 49.8539, 0.3017, 0.3897.

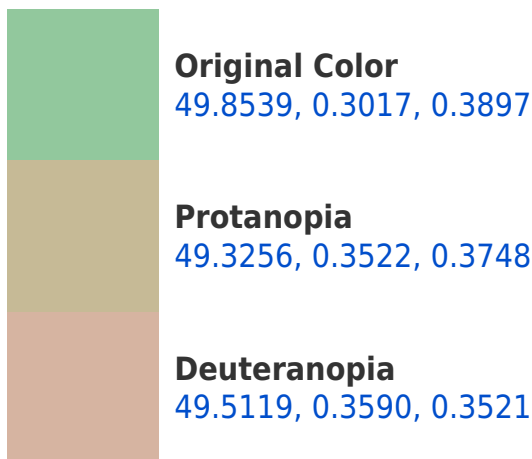


This preview shows how white text looks on a background with the Yxy color 49.8539, 0.3017, 0.3897.

# 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

49.7619, 0.2745, 0.3093

# Trichromacy



**Original Color**

49.8539, 0.3017, 0.3897

**Protanomaly**

49.1452, 0.3319, 0.3796

**Deuteranomaly**

48.8975, 0.3358, 0.3640

**Tritanomaly**

49.8294, 0.2844, 0.3384

# Monochromacy



**Original Color**

49.8539, 0.3017, 0.3897

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.6964, 0.3084, 0.3508

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8539, 0.3017, 0.3897 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(146, 200, 157)` looks like.

```
.text, #text, p{  
    color:rgb(146, 200, 157)  
}
```

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(146, 200, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 200, 157) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8539, 0.3017, 0.3897 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(146, 200, 157) }
```

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

```
.border{ border-color:rgb(146, 200, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 200, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 200, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 200, 157);  
box-shadow:4px 4px 4px 4px rgb(146, 200,  
157) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8539, 0.3017, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 200, 157) }
```

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

```
.background{ background-color: rgb(146,  
200, 157) }
```

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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