

# Converting Colors

Yxy(53.9949, 0.3268, 0.3910)

Have a look what the booklet for  
Yxy(53.9949, 0.3268, 0.3910)  
contains.

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# Color

**Yxy(53.9547, 0.3269, 0.3905)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CA9B
RGB	177, 202, 155
RGB Percent	69%, 79%, 61%
CMY	0.3059, 0.2078, 0.3921
CMYK	0.12, 0.00, 0.23, 0.21
HSL	92°, 31%, 70%
HSV	92°, 23%, 79%
XYZ	45.1672, 53.9547, 39.0463
YIQ	189.1670, 0.1870, -19.9170

# Conversions

## Conversions Part 2

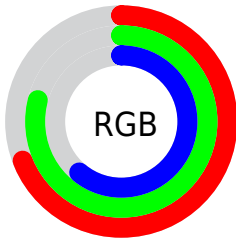
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 202, 180
Decimal	11651739
CIELab	78.44, -16.87, 20.73
CIELCh	78, 26.724, 129.140
Yxy	53.9547, 0.3269, 0.3905
Android (android.graphics.Color)	4289841819 (0xFFB1CA9B)
YUV	189.1670, -16.8443, -10.6705
Hunter-Lab	73.4539, -18.7836, 19.9005

# Details

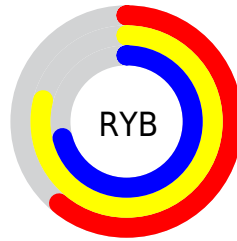
The Yxy color **53.9547, 0.3269, 0.3905** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.4155, 0.2953, 0.2681**, and the grayscale version is **51.0882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4968, 0.3250, 0.3751**, and **26.4644, 0.3295, 0.4075** is the 20% darker color. If you saturate the color by 10%, you get **52.1209, 0.3324, 0.4199**, and if you desaturate by 10%, it is **56.0062, 0.3209, 0.3627**.

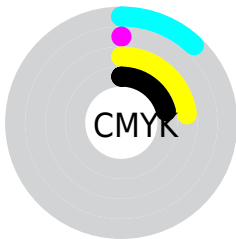
# Distribution



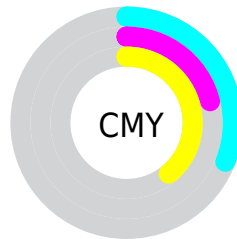
- Red (69%)
- Green (79%)
- Blue (61%)



- Red (61%)
- Yellow (79%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (23%)
- Black (21%)




- Cyan (31%)
- Magenta (21%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9547, 0.3269, 0.3905 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 53.9547, 0.3269, 0.3905 by changing the saturation by 10% instead.



 53.9547, 0.3269,  
0.3905

 53.9547, 0.3269,  
0.3905


401.9372, 0.3205,  
0.3596

 38.5654, 0.3283,  
0.3982

 96.0077, 0.3247,  
0.3793

 26.4218, 0.3299,  
0.4081


 123.4403, 0.3239,  
0.3750

 17.1395, 0.3318,  
0.4213


155.6561, 0.3231,  
0.3715

 10.3340, 0.3340,  
0.4396

193.0395, 0.3225,  
0.3684

 5.6210, 0.3363,  
0.4665

235.9749, 0.3219,  
0.3658

 2.6160, 0.3381,  
0.5109

284.8468, 0.3214,

 0.9347, 0.3373,

0.3635

0.6627

340.0394, 0.3209,  
0.3614

0.0000, 0.0000,  
0.0000

53.9547, 0.3269,  
0.3905

53.9547, 0.3269,  
0.3905

52.1209, 0.3324,  
0.4199

56.0062, 0.3209,  
0.3627

50.4899, 0.3371,  
0.4502

58.2758, 0.3147,  
0.3369

49.0555, 0.3405,  
0.4801

60.7730, 0.3086,  
0.3135

47.8085, 0.3423,  
0.5083

63.5044, 0.3026,  
0.2923

46.7387, 0.3421,  
0.5332

66.4113, 0.2976,  
0.2743

■ 45.8350, 0.3398,  
0.5532

■ 68.2531, 0.3053,  
0.2756

■ 45.0839, 0.3355,  
0.5676

■ 70.2066, 0.3131,  
0.2769

■ 44.6499, 0.3319,  
0.5747

■ 70.7241, 0.3151,  
0.2772

# Harmonies

## Analogous

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



53.9547, 0.3595, 0.3904



53.9547, 0.3269, 0.3905



53.9547, 0.2917, 0.3711

# Triad

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



53.9547, 0.3269, 0.3905



53.9547, 0.2490, 0.2812



53.9547, 0.3639, 0.3171

# Complementary

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



53.9547, 0.3269, 0.3905



37.4155, 0.2953, 0.2681

# 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.



53.9547, 0.3315, 0.2918



53.9547, 0.3269, 0.3905



53.9547, 0.2658, 0.2711

# Square

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



53.9547, 0.3269, 0.3905



53.9547, 0.2480, 0.3052



53.9547, 0.2955, 0.2752



53.9547, 0.3821, 0.3463



# Rectangle

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



53.9547, 0.3269, 0.3905



53.9547, 0.2715, 0.3501



53.9547, 0.2955, 0.2752



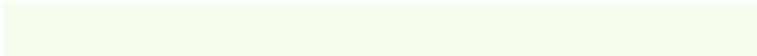
53.9547, 0.3542, 0.3080

# Sweetspot

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



53.9570, 0.3269, 0.3905



97.1457, 0.3171, 0.3465



47.2808, 0.3535, 0.3598



20.7424, 0.3175, 0.3481



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

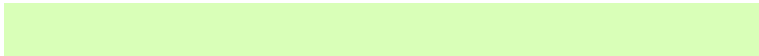


# Same Dimension

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



53.9570, 0.3269, 0.3905



89.7154, 0.3298, 0.4054



51.6066, 0.3091, 0.3927



12.7899, 0.3185, 0.3525



28.7816, 0.3329, 0.5739



1.5298, 0.3483, 0.5617



# Inverse Universe

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



37.4155, 0.2953, 0.2681



56.8018, 0.2906, 0.2535



40.2300, 0.3161, 0.2726



11.1330, 0.3064, 0.3056



4.8294, 0.2095, 0.0928

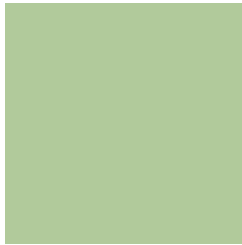


0.2941, 0.2303, 0.1042



# Previews

## White Background



This preview shows how the Yxy color 53.9547, 0.3269, 0.3905 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 53.9547, 0.3269, 0.3905 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

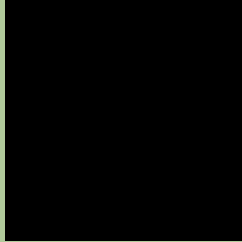
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.9547, 0.3269, 0.3905**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9547, 0.3269, 0.3905.



This preview shows how white text looks on a background with the Yxy color 53.9547, 0.3269, 0.3905.

# 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

53.9547, 0.3269, 0.3905

### Protanopia

53.4961, 0.3565, 0.3806

### Deuteranopia

53.5940, 0.3697, 0.3617



## Tritanopia

53.9976, 0.2942, 0.3106

# Trichromacy



## Original Color

53.9547, 0.3269, 0.3905

## Protanomaly

53.3490, 0.3453, 0.3845

## Deuteranomaly

53.5435, 0.3537, 0.3717

## Tritanomaly

54.0510, 0.3060, 0.3391

# Monochromacy



## Original Color

53.9547, 0.3269, 0.3905

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

52.0722, 0.3182, 0.3507

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.9547, 0.3269, 0.3905 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(177, 202, 155)` looks like.

```
.text, #text, p{  
    color:rgb(177, 202, 155)  
}
```

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(177, 202, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 202, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9547, 0.3269, 0.3905 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(177, 202, 155) }
```

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

```
.border{ border-color:rgb(177, 202, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 202, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 202, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 202, 155);  
box-shadow:4px 4px 4px 4px rgb(177, 202,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9547, 0.3269, 0.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 202, 155) }
```

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

```
.background{ background-color: rgb(177,  
202, 155) }
```

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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