

# Converting Colors

Yxy(53.8688, 0.3109, 0.3681)

Have a look what the booklet for  
Yxy(53.8688, 0.3109, 0.3681)  
contains.

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# Color

**Yxy(53.9903, 0.3109, 0.3682)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACCAAC
RGB	172, 202, 172
RGB Percent	67%, 79%, 67%
CMY	0.3253, 0.2079, 0.3254
CMYK	0.15, 0.00, 0.15, 0.21
HSL	120°, 22%, 73%
HSV	120°, 15%, 79%
XYZ	45.5882, 53.9903, 47.0546
YIQ	189.6100, -8.2500, -15.6900

# Conversions

## Conversions Part 2

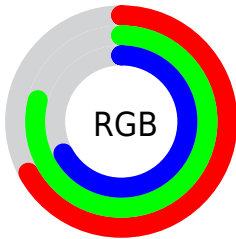
Format	Color
<b>RYB</b>	172, 202, 202
Decimal	11324076
CIELab	78.46, -15.75, 11.65
CIELCh	78, 19.588, 143.518
Yxy	53.9903, 0.3109, 0.3682
Android (android.graphics.Color)	4289514156 (0xFFACCAAC)
YUV	189.6100, -8.6817, -15.4440
Hunter-Lab	73.4781, -17.8394, 13.4660

# Details

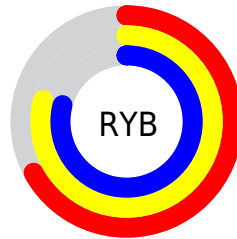
The Yxy color **53.9903, 0.3109, 0.3682** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.3259, 0.3144, 0.2927**, and the grayscale version is **51.3168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5600, 0.3120, 0.3576**, and **26.4578, 0.3094, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **51.1612, 0.3095, 0.3989**, and if you desaturate by 10%, it is **57.2887, 0.3122, 0.3409**.

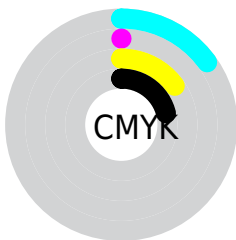
# Distribution



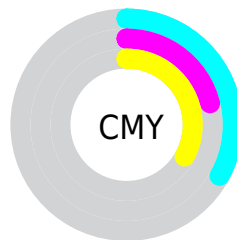
- Red (67%)
- Green (79%)
- Blue (67%)



- Red (67%)
- Yellow (79%)
- Blue (79%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (21%)




- Cyan (33%)
- Magenta (21%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9903, 0.3109, 0.3682 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 53.9903, 0.3109, 0.3682 by changing the saturation by 10% instead.





 53.9903, 0.3109,  
0.3682

 53.9903, 0.3109,  
0.3682


402.0730, 0.3120,  
0.3486

 38.5939, 0.3106,  
0.3731

 96.0600, 0.3114,  
0.3611

 26.4440, 0.3101,  
0.3794

123.5021, 0.3115,  
0.3584

 17.1561, 0.3094,  
0.3878


155.7282, 0.3116,  
0.3561

 10.3458, 0.3082,  
0.3994

193.1228, 0.3117,  
0.3542

 5.6288, 0.3063,  
0.4169

236.0701, 0.3118,  
0.3525

 2.6207, 0.3025,  
0.4455

284.9547, 0.3119,

 0.9371, 0.3067,

0.3510

0.5688

340.1609, 0.3120,  
0.3498

0.0000, 0.0000,  
0.0000

53.9903, 0.3109,  
0.3682

53.9903, 0.3109,  
0.3682

51.1612, 0.3095,  
0.3989

57.2887, 0.3122,  
0.3409

48.7735, 0.3079,  
0.4325

61.0691, 0.3133,  
0.3171

46.8072, 0.3063,  
0.4680

65.3522, 0.3142,  
0.2966

45.2378, 0.3046,  
0.5036

70.1554, 0.3150,  
0.2789

44.0382, 0.3030,  
0.5367

70.7178, 0.3151,  
0.2772

■ 43.1783, 0.3017,  
0.5645

■ 42.6228, 0.3007,  
0.5848

■ 42.3292, 0.3002,  
0.5963

■ 42.2391, 0.3000,  
0.6000

# Harmonies

## Analogous

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



53.9903, 0.3367, 0.3754



53.9903, 0.3109, 0.3682



53.9903, 0.2863, 0.3490

# Triad

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



53.9903, 0.3109, 0.3682



53.9903, 0.2700, 0.2888



53.9903, 0.3581, 0.3310

# Complementary

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



53.9903, 0.3109, 0.3682



46.3259, 0.3144, 0.2927

# 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.



53.9903, 0.3388, 0.3099



53.9903, 0.3109, 0.3682



53.9903, 0.2878, 0.2860

# Square

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



53.9903, 0.3109, 0.3682



53.9903, 0.2634, 0.3023



53.9903, 0.3128, 0.2937



53.9903, 0.3646, 0.3525



# Rectangle

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



53.9903, 0.3109, 0.3682



53.9903, 0.2738, 0.3326



53.9903, 0.3128, 0.2937



53.9903, 0.3528, 0.3237

# Sweetspot

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



53.9926, 0.3109, 0.3682



97.4787, 0.3123, 0.3390



57.5384, 0.3348, 0.3649



20.7662, 0.3122, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

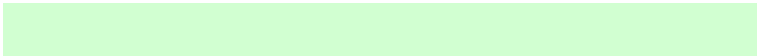


# Same Dimension

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



53.9926, 0.3109, 0.3682



89.7050, 0.3104, 0.3783



54.5767, 0.3008, 0.3489



12.5375, 0.3116, 0.3529



27.1827, 0.3000, 0.6000



1.4025, 0.3001, 0.5999



# Inverse Universe

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



46.3259, 0.3144, 0.2927



74.1213, 0.3148, 0.2842



45.6756, 0.3266, 0.3099



11.4032, 0.3138, 0.3062



10.8061, 0.3207, 0.1540



0.5577, 0.3207, 0.1540



# Previews

## White Background



This preview shows how the Yxy color 53.9903, 0.3109, 0.3682 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

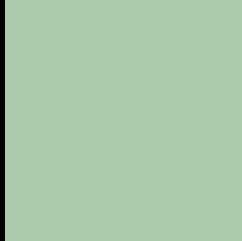
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9903, 0.3109, 0.3682 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

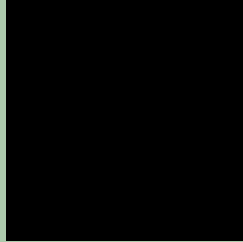
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.9903, 0.3109, 0.3682**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9903, 0.3109, 0.3682.



This preview shows how white text looks on a background with the Yxy color 53.9903, 0.3109, 0.3682.

# 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

53.9903, 0.3109, 0.3682

### Protanopia

53.6636, 0.3404, 0.3598

### Deuteranopia

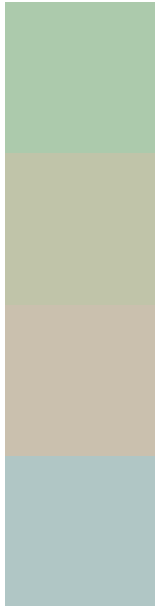
53.6959, 0.3498, 0.3432



## Tritanopia

53.8170, 0.2885, 0.3092

# Trichromacy



**Original Color**

53.9903, 0.3109, 0.3682

**Protanomaly**

53.5509, 0.3298, 0.3631

**Deuteranomaly**

53.3118, 0.3349, 0.3512

**Tritanomaly**

53.6495, 0.2965, 0.3302

# Monochromacy



**Original Color**

53.9903, 0.3109, 0.3682

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.0698, 0.3121, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9903, 0.3109, 0.3682 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(172, 202, 172)` looks like.

```
.text, #text, p{  
    color:rgb(172, 202, 172)  
}
```

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(172, 202, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 202, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9903, 0.3109, 0.3682 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(172, 202, 172) }
```

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

```
.border{ border-color:rgb(172, 202, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 202, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 202, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 202, 172);  
box-shadow:4px 4px 4px 4px rgb(172, 202,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9903, 0.3109, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 202, 172) }
```

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

```
.background{ background-color: rgb(172,  
202, 172) }
```

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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