

# Converting Colors

Yxy(52.1986, 0.3135, 0.3673)

Have a look what the booklet for  
Yxy(52.1986, 0.3135, 0.3673)  
contains.

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# Color

**Yxy(52.0234, 0.3133, 0.3673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACC6A9
RGB	172, 198, 169
RGB Percent	67%, 78%, 66%
CMY	0.3253, 0.2235, 0.3372
CMYK	0.13, 0.00, 0.15, 0.22
HSL	114°, 20%, 72%
HSV	114°, 15%, 78%
XYZ	44.3750, 52.0234, 45.2390
YIQ	186.9200, -6.1870, -14.5310

# Conversions

## Conversions Part 2

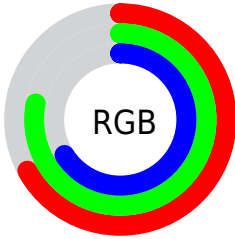
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 198, 195
Decimal	11323049
CIELab	77.29, -14.25, 11.61
CIELCh	77, 18.382, 140.813
Yxy	52.0234, 0.3133, 0.3673
Android (android.graphics.Color)	4289513129 (0xFFACC6A9)
YUV	186.9200, -8.8346, -13.0848
Hunter-Lab	72.1272, -16.4038, 13.3018

# Details

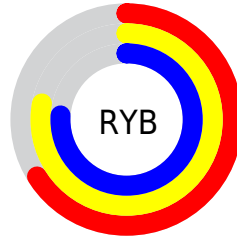
The Yxy color **52.0234, 0.3133, 0.3673** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.0501, 0.3117, 0.2929**, and the grayscale version is **49.7046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3958, 0.3137, 0.3608**, and **25.1528, 0.3125, 0.3780** is the 20% darker color. If you saturate the color by 10%, you get **49.4631, 0.3134, 0.3973**, and if you desaturate by 10%, it is **54.9683, 0.3129, 0.3404**.

# Distribution



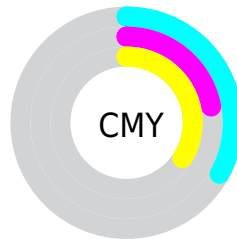
- Red (67%)
- Green (78%)
- Blue (66%)



- Red (66%)
- Yellow (78%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (22%)




- Cyan (33%)
- Magenta (22%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0234, 0.3133, 0.3673 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 52.0234, 0.3133, 0.3673 by changing the saturation by 10% instead.





 52.0234, 0.3133,  
0.3673

 52.0234, 0.3133,  
0.3673


394.5269, 0.3132,  
0.3481

 37.0237, 0.3132,  
0.3721


 93.1657, 0.3133,  
0.3603

 25.2259, 0.3131,  
0.3784


120.0772, 0.3133,  
0.3577

 16.2454, 0.3129,  
0.3867


151.7281, 0.3133,  
0.3554

 9.6980, 0.3125,  
0.3984

188.5027, 0.3133,  
0.3535

 5.1992, 0.3115,  
0.4159

230.7855, 0.3133,  
0.3519

 2.3646, 0.3091,  
0.4450

278.9609, 0.3133,

 0.8076, 0.3242,

0.3505

0.6238

333.4132, 0.3133,  
0.3492

0.0000, 0.0000,  
0.0000

52.0234, 0.3133,  
0.3673

52.0234, 0.3133,  
0.3673

49.4631, 0.3134,  
0.3973

54.9683, 0.3129,  
0.3404

47.2653, 0.3133,  
0.4300

58.3057, 0.3124,  
0.3167

45.4153, 0.3127,  
0.4644

62.0518, 0.3118,  
0.2960

43.8954, 0.3116,  
0.4990

66.2198, 0.3112,  
0.2780

42.6860, 0.3101,  
0.5315

68.8659, 0.3153,  
0.2732

■ 41.7654, 0.3081,  
0.5594

■ 41.1092, 0.3057,  
0.5806

■ 40.6887, 0.3034,  
0.5936

■ 40.5425, 0.3024,  
0.5981

# Harmonies

## Analogous

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



52.0234, 0.3376, 0.3730



52.0234, 0.3133, 0.3673



52.0234, 0.2896, 0.3499

# Triad

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



52.0234, 0.3133, 0.3673



52.0234, 0.2711, 0.2915



52.0234, 0.3546, 0.3290

# Complementary

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



52.0234, 0.3133, 0.3673



44.0501, 0.3117, 0.2929

# 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.



52.0234, 0.3355, 0.3092



52.0234, 0.3133, 0.3673



52.0234, 0.2872, 0.2879

# Square

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



52.0234, 0.3133, 0.3673



52.0234, 0.2658, 0.3053



52.0234, 0.3106, 0.2944



52.0234, 0.3620, 0.3497



# Rectangle

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



52.0234, 0.3133, 0.3673



52.0234, 0.2771, 0.3346



52.0234, 0.3106, 0.2944



52.0234, 0.3493, 0.3221

# Sweetspot

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



52.0256, 0.3133, 0.3673



97.6694, 0.3129, 0.3389



53.7265, 0.3350, 0.3609



20.8142, 0.3129, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

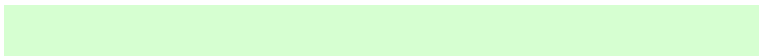


# Same Dimension

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



52.0256, 0.3133, 0.3673



90.4107, 0.3134, 0.3778



52.1211, 0.3030, 0.3525



11.9402, 0.3131, 0.3528



26.3855, 0.3028, 0.5978



1.2678, 0.3116, 0.5908



# Inverse Universe

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



44.0501, 0.3117, 0.2929



73.2295, 0.3114, 0.2837



43.9645, 0.3238, 0.3066



10.7580, 0.3121, 0.3061



8.7721, 0.2949, 0.1398



0.4320, 0.3007, 0.1430



# Previews

## White Background



This preview shows how the Yxy color 52.0234, 0.3133, 0.3673 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 52.0234, 0.3133, 0.3673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

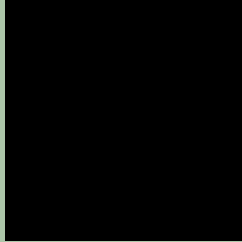
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

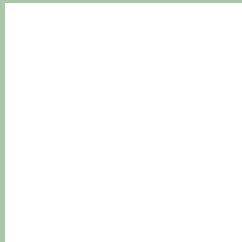
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.0234, 0.3133, 0.3673**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.0234, 0.3133, 0.3673.



This preview shows how white text looks on a background with the Yxy color 52.0234, 0.3133, 0.3673.

# 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

52.0234, 0.3133, 0.3673

### Protanopia

51.8229, 0.3408, 0.3602

### Deuteranopia

51.8585, 0.3503, 0.3434



## Tritanopia

52.1590, 0.2903, 0.3102

# Trichromacy



## Original Color

52.0234, 0.3133, 0.3673

## Protanomaly

51.8403, 0.3309, 0.3635

## Deuteranomaly

51.6148, 0.3361, 0.3514

## Tritanomaly

52.1554, 0.2986, 0.3302

# Monochromacy



## Original Color

52.0234, 0.3133, 0.3673

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.5020, 0.3137, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.0234, 0.3133, 0.3673 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, 198, 169)` looks like.

```
.text, #text, p{  
    color:rgb(172, 198, 169)  
}
```

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, 198, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 198, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0234, 0.3133, 0.3673 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, 198, 169) }
```

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

```
.border{ border-color:rgb(172, 198, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 198, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 198, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 198, 169); box-shadow:4px 4px 4px 4px rgb(172, 198, 169) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0234, 0.3133, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 198, 169) }
```

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

```
.background{ background-color: rgb(172,  
198, 169) }
```

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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