

# Converting Colors

Yxy(51.9907, 0.3526, 0.4140)

Have a look what the booklet for  
Yxy(51.9907, 0.3526, 0.4140)  
contains.

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# Color

**Yxy(52.0103, 0.3531, 0.4144)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAC583
RGB	186, 197, 131
RGB Percent	73%, 77%, 51%
CMY	0.2705, 0.2275, 0.4862
CMYK	0.06, 0.00, 0.33, 0.23
HSL	70°, 36%, 64%
HSV	70°, 33%, 77%
XYZ	44.3167, 52.0103, 29.1805
YIQ	186.1870, 14.6300, -22.8580

# Conversions

## Conversions Part 2

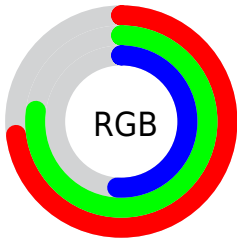
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 197, 142
Decimal	12240259
CIELab	77.29, -14.38, 31.89
CIELCh	77, 34.987, 114.275
Yxy	52.0103, 0.3531, 0.4144
Android (android.graphics.Color)	4290430339 (0xFFBAC583)
YUV	186.1870, -27.2072, -0.1640
Hunter-Lab	72.1182, -16.5183, 26.4928

# Details

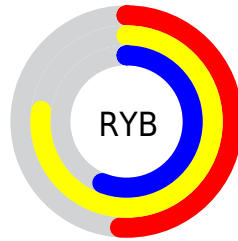
The Yxy color **52.0103, 0.3531, 0.4144** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **26.0181, 0.2628, 0.2330**, and the grayscale version is **49.3657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4411, 0.3465, 0.3989**, and **25.1445, 0.3621, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **51.1222, 0.3642, 0.4399**, and if you desaturate by 10%, it is **53.0140, 0.3412, 0.3883**.

# Distribution



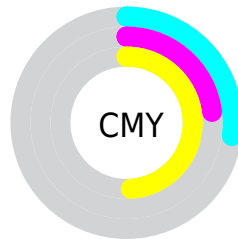
- Red (73%)
- Green (77%)
- Blue (51%)



- Red (51%)
- Yellow (77%)
- Blue (56%)



- Cyan (6%)
- Magenta (0%)
- Yellow (33%)
- Black (23%)




- Cyan (27%)
- Magenta (23%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.0103, 0.3531, 0.4144 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 52.0103, 0.3531, 0.4144 by changing the saturation by 10% instead.





 52.0103, 0.3531,  
0.4144

 52.0103, 0.3531,  
0.4144


394.4764, 0.3343,  
0.3716


 37.0133, 0.3573,  
0.4249


 93.1464, 0.3466,  
0.3989

 25.2178, 0.3623,  
0.4383


 120.0543, 0.3441,  
0.3931

 16.2394, 0.3683,  
0.4558


 151.7013, 0.3419,  
0.3881

 9.6937, 0.3753,  
0.4794

188.4718, 0.3400,  
0.3839

 5.1963, 0.3828,  
0.5124

230.7501, 0.3383,  
0.3802

 2.3629, 0.4091,  
0.5909

278.9208, 0.3368,

 0.8067, 0.3400,

0.3770

0.6600

333.3680, 0.3355,  
0.3742

0.0000, 0.0000,  
0.0000

52.0103, 0.3531,  
0.4144

52.0103, 0.3531,  
0.4144

51.1222, 0.3642,  
0.4399

53.0140, 0.3412,  
0.3883

50.3369, 0.3739,  
0.4638

54.1318, 0.3290,  
0.3624

49.6504, 0.3817,  
0.4850


55.3709, 0.3169,  
0.3374

49.0554, 0.3873,  
0.5026

56.7361, 0.3051,  
0.3138


48.5438, 0.3903,  
0.5158


58.2318, 0.2939,  
0.2918


 48.1054, 0.3907,  
0.5245

 59.8623, 0.2834,  
0.2716

 47.8477, 0.3901,  
0.5285

 60.7025, 0.2821,  
0.2663

 61.1856, 0.2844,  
0.2667

 61.6785, 0.2867,  
0.2671

# Harmonies

## Analogous

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



52.0103, 0.3903, 0.4001



52.0103, 0.3531, 0.4144



52.0103, 0.3067, 0.4020

# Triad

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



52.0103, 0.3531, 0.4144



52.0103, 0.2266, 0.2788



52.0103, 0.3607, 0.2958

# Complementary

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



52.0103, 0.3531, 0.4144



26.0181, 0.2628, 0.2330

# 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.



52.0103, 0.3131, 0.2684



52.0103, 0.3531, 0.4144



52.0103, 0.2383, 0.2573

# Square

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



52.0103, 0.3531, 0.4144



52.0103, 0.2355, 0.3175



52.0103, 0.2688, 0.2545



52.0103, 0.3961, 0.3314



# Rectangle

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



52.0103, 0.3531, 0.4144



52.0103, 0.2771, 0.3790



52.0103, 0.2688, 0.2545



52.0103, 0.3454, 0.2855

# Sweetspot

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



52.0126, 0.3531, 0.4144



97.6692, 0.3249, 0.3539



32.5332, 0.3857, 0.3425



20.8390, 0.3267, 0.3575



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.



52.0126, 0.3531, 0.4144



92.0016, 0.3611, 0.4327



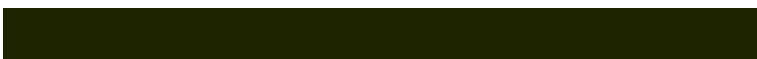
48.4519, 0.3261, 0.4223



12.3243, 0.3240, 0.3520



31.5032, 0.3905, 0.5281



1.5161, 0.3969, 0.5231



# Inverse Universe

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



26.0181, 0.2628, 0.2330



38.5456, 0.2498, 0.2093



29.2554, 0.2933, 0.2408



10.3709, 0.3008, 0.3053



2.8867, 0.1578, 0.0643



0.1639, 0.1758, 0.0742



# Previews

## White Background



This preview shows how the Yxy color 52.0103, 0.3531, 0.4144 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

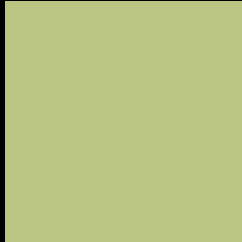
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.0103, 0.3531, 0.4144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

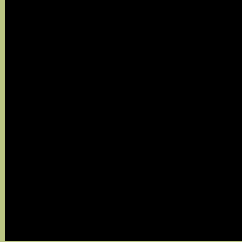
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.0103, 0.3531, 0.4144**

## Background



This preview shows how black text looks on a background with the Yxy color 52.0103, 0.3531, 0.4144.



This preview shows how white text looks on a background with the Yxy color 52.0103, 0.3531, 0.4144.

# 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

52.0103, 0.3531, 0.4144

### Protanopia

52.0855, 0.3762, 0.4060

### Deuteranopia

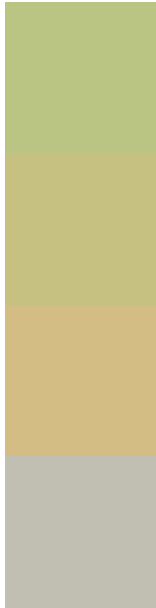
51.9191, 0.3931, 0.3857



## Tritanopia

51.8803, 0.3071, 0.3107

# Trichromacy



## Original Color

52.0103, 0.3531, 0.4144

## Protanomaly

51.8670, 0.3675, 0.4091

## Deuteranomaly

51.6569, 0.3781, 0.3956

## Tritanomaly

51.6424, 0.3243, 0.3467

# Monochromacy



## Original Color

52.0103, 0.3531, 0.4144

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.0192, 0.3279, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.0103, 0.3531, 0.4144 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(186, 197, 131)` looks like.

```
.text, #text, p{  
    color:rgb(186, 197, 131)  
}
```

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(186, 197, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 197, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 52.0103, 0.3531, 0.4144 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(186, 197, 131) }
```

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

```
.border{ border-color:rgb(186, 197, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 197, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 197, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 197, 131);  
box-shadow:4px 4px 4px 4px rgb(186, 197,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.0103, 0.3531, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 197, 131) }
```

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

```
.background{ background-color: rgb(186,  
197, 131) }
```

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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