

# Converting Colors

$Y_{xy}(51.5008, 0.3501, 0.4380)$

Have a look what the booklet for  
Yxy(51.5008, 0.3501, 0.4380)  
contains.

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# Color

**Yxy(51.5008, 0.3501, 0.4380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADC876
RGB	173, 200, 118
RGB Percent	68%, 78%, 46%
CMY	0.3214, 0.2157, 0.5372
CMYK	0.13, 0.00, 0.41, 0.22
HSL	80°, 43%, 62%
HSV	80°, 41%, 78%
XYZ	41.1654, 51.5008, 24.9156
YIQ	182.5790, 10.2300, -31.2260

# Conversions

## Conversions Part 2

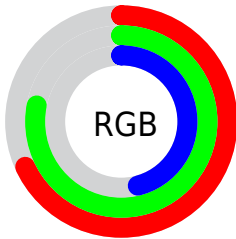
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 200, 145
Decimal	11389046
CIELab	76.98, -22.48, 37.98
CIELCh	77, 44.138, 120.623
Yxy	51.5008, 0.3501, 0.4380
Android (android.graphics.Color)	4289579126 (0xFFADC876)
YUV	182.5790, -31.8374, -8.4008
Hunter-Lab	71.7641, -23.1958, 29.6501

# Details

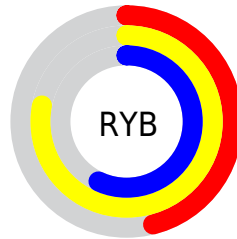
The Yxy color **51.5008, 0.3501, 0.4380** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.1482, 0.2614, 0.2117**, and the grayscale version is **47.2902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1183, 0.3449, 0.4167**, and **24.8971, 0.3565, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **50.3453, 0.3573, 0.4650**, and if you desaturate by 10%, it is **52.7986, 0.3417, 0.4103**.

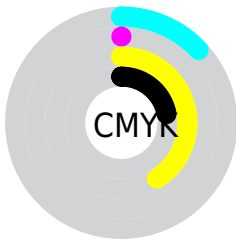
# Distribution



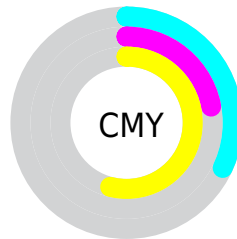
- Red (68%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (57%)



- Cyan (13%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (32%)
- Magenta (22%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5008, 0.3501, 0.4380 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 51.5008, 0.3501, 0.4380 by changing the saturation by 10% instead.





 51.5008, 0.3501,  
0.4380


 51.5008, 0.3501,  
0.4380


392.5064, 0.3336,  
0.3828

 36.6073, 0.3534,  
0.4517


 92.3946, 0.3447,  
0.4179

 24.9036, 0.3570,  
0.4692


 119.1637, 0.3425,  
0.4104

 16.0053, 0.3608,  
0.4920


 150.6602, 0.3405,  
0.4040

 9.5279, 0.3640,  
0.5226

187.2684, 0.3388,  
0.3985

 5.0871, 0.3659,  
0.5675

229.3727, 0.3373,  
0.3938

 2.2984, 0.3619,  
0.6381

277.3576, 0.3359,

 0.7729, 0.1938,

0.3897

0.8062

331.6073, 0.3347,  
0.3860

■ 0.0000, 0.0000,  
0.0000

■ 51.5008, 0.3501,  
0.4380

■ 51.5008, 0.3501,  
0.4380

■ 50.3453, 0.3573,  
0.4650

■ 52.7986, 0.3417,  
0.4103

■ 49.3183, 0.3628,  
0.4901

■ 54.2381, 0.3325,  
0.3828

■ 48.4143, 0.3661,  
0.5120


■ 55.8277, 0.3231,  
0.3563


■ 47.6247, 0.3669,  
0.5297

■ 57.5728, 0.3136,  
0.3314

■ 46.9391, 0.3653,  
0.5426


■ 59.4787, 0.3044,  
0.3083

 46.3936, 0.3622,  
0.5506

 61.5503, 0.2957,  
0.2871

 63.5967, 0.2893,  
0.2708

 64.6373, 0.2939,  
0.2716

 65.7186, 0.2986,  
0.2724

# Harmonies

## Analogous

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



51.5008, 0.4010, 0.4235



51.5008, 0.3501, 0.4380



51.5008, 0.2918, 0.4155

# Triad

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



51.5008, 0.3501, 0.4380



51.5008, 0.2074, 0.2577



51.5008, 0.3848, 0.2959

# Complementary

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



51.5008, 0.3501, 0.4380



23.1482, 0.2614, 0.2117

# 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.



51.5008, 0.3255, 0.2602



51.5008, 0.3501, 0.4380



51.5008, 0.2265, 0.2374

# Square

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



51.5008, 0.3501, 0.4380



51.5008, 0.2124, 0.3013



51.5008, 0.2678, 0.2392



51.5008, 0.4243, 0.3402



# Rectangle

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



51.5008, 0.3501, 0.4380



51.5008, 0.2567, 0.3814



51.5008, 0.2678, 0.2392



51.5008, 0.3662, 0.2827

# Sweetspot

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



51.5031, 0.3501, 0.4380



96.3251, 0.3242, 0.3594



33.5266, 0.4017, 0.3634



20.5371, 0.3255, 0.3628



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.



51.5031, 0.3501, 0.4380



87.4168, 0.3564, 0.4616



47.6046, 0.3177, 0.4501



12.2356, 0.3216, 0.3522



29.5511, 0.3630, 0.5500



1.4374, 0.3751, 0.5404



# Inverse Universe

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



23.1482, 0.2614, 0.2117



31.8714, 0.2474, 0.1840



27.4410, 0.3017, 0.2243



10.4540, 0.3033, 0.3055



3.4264, 0.1747, 0.0736



0.2018, 0.1988, 0.0869



# Previews

## White Background



This preview shows how the Yxy color 51.5008, 0.3501, 0.4380 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 51.5008, 0.3501, 0.4380 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 51.5008, 0.3501, 0.4380**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5008, 0.3501, 0.4380.

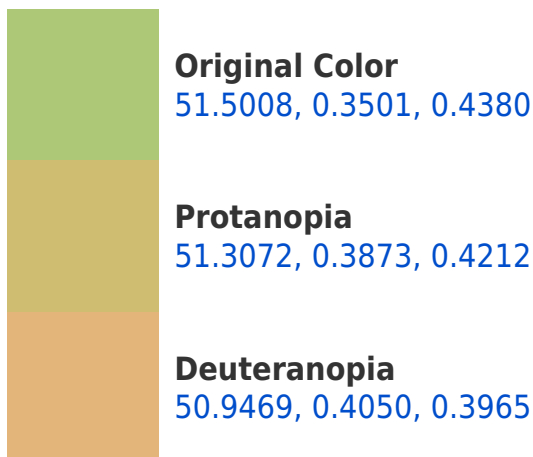


This preview shows how white text looks on a background with the Yxy color 51.5008, 0.3501, 0.4380.

# 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

51.5490, 0.2977, 0.3104

# Trichromacy



## Original Color

51.5008, 0.3501, 0.4380

## Protanomaly

51.4235, 0.3738, 0.4282

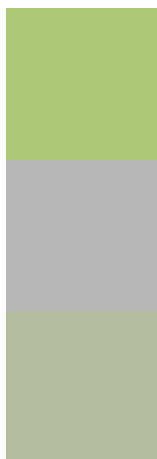
## Deuteranomaly

50.7568, 0.3839, 0.4107

## Tritanomaly

51.4245, 0.3179, 0.3562

# Monochromacy



## Original Color

51.5008, 0.3501, 0.4380

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

48.4821, 0.3275, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5008, 0.3501, 0.4380 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(173, 200, 118)` looks like.

```
.text, #text, p{  
    color:rgb(173, 200, 118)  
}
```

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(173, 200, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 200, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5008, 0.3501, 0.4380 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(173, 200, 118) }
```

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

```
.border{ border-color:rgb(173, 200, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 200, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 200, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 200, 118);  
box-shadow:4px 4px 4px 4px rgb(173, 200,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5008, 0.3501, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 200, 118) }
```

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

```
.background{ background-color: rgb(173,  
200, 118) }
```

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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