

# Converting Colors

$Yxy(57.8982, 0.3052, 0.3899)$

Have a look what the booklet for  
Yxy(57.8982, 0.3052, 0.3899)  
contains.

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# Color

**Yxy(57.8521, 0.3049, 0.3897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0D5A7
RGB	160, 213, 167
RGB Percent	63%, 84%, 65%
CMY	0.3726, 0.1647, 0.3451
CMYK	0.25, 0.00, 0.22, 0.16
HSL	128°, 39%, 73%
HSV	128°, 25%, 84%
XYZ	45.2633, 57.8521, 45.3375
YIQ	191.9090, -16.8220, -25.5420

# Conversions

## Conversions Part 2

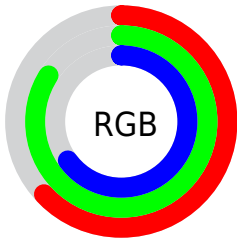
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 207, 213
Decimal	10540455
CIELab	80.66, -26.17, 17.30
CIELCh	81, 31.370, 146.526
Yxy	57.8521, 0.3049, 0.3897
Android (android.graphics.Color)	4288730535 (0xFFA0D5A7)
YUV	191.9090, -12.2801, -27.9842
Hunter-Lab	76.0606, -26.8815, 17.9013

# Details

The Yxy color **57.8521, 0.3049, 0.3897** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.7389, 0.3217, 0.2750**, and the grayscale version is **52.7357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3929, 0.3074, 0.3636**, and **28.8173, 0.3018, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **55.2089, 0.3019, 0.4190**, and if you desaturate by 10%, it is **60.9740, 0.3081, 0.3631**.

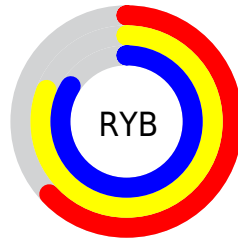
# Distribution



Red (63%)

Green (84%)

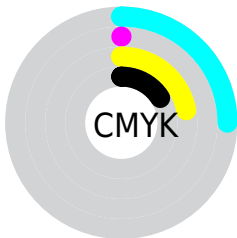
Blue (65%)



Red (63%)

Yellow (81%)

Blue (84%)

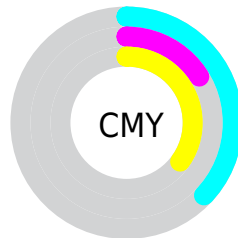


Cyan (25%)

Magenta (0%)

Yellow (22%)

Black (16%)



Cyan (37%)

Magenta (16%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8521, 0.3049, 0.3897 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 57.8521, 0.3049, 0.3897 by changing the saturation by 10% instead.





 57.8521, 0.3049,  
0.3897


 57.8521, 0.3049,  
0.3897

416.6346, 0.3093,  
0.3593

 41.6898, 0.3037,  
0.3973


 101.7075, 0.3066,  
0.3786

 28.8584, 0.3020,  
0.4070

 130.1693, 0.3072,  
0.3745

 18.9738, 0.2997,  
0.4200


163.4997, 0.3077,  
0.3710

 11.6513, 0.2963,  
0.4380

202.0831, 0.3081,  
0.3680

 6.5067, 0.2907,  
0.4646

246.3039, 0.3085,  
0.3654

 3.1556, 0.2804,  
0.5078

296.5465, 0.3088,

 1.2135, 0.2725,

0.3631

0.6852

353.1952, 0.3090,  
0.3611

■ 0.0727, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.8521, 0.3049,  
0.3897

■ 57.8521, 0.3049,  
0.3897

■ 55.2089, 0.3019,  
0.4190

■ 60.9740, 0.3081,  
0.3631

■ 53.0137, 0.2991,  
0.4503

■ 64.5889, 0.3112,  
0.3395

■ 51.2438, 0.2969,  
0.4825

■ 68.7197, 0.3142,  
0.3188

■ 49.8713, 0.2954,  
0.5140

■ 73.3855, 0.3171,  
0.3007

■ 48.8651, 0.2949,  
0.5428

■ 76.0729, 0.3146,  
0.2881

■ 48.1893, 0.2953,  
0.5667

■ 47.8007, 0.2967,  
0.5842

■ 47.6776, 0.2974,  
0.5906

# Harmonies

## Analogous

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



57.8521, 0.3453, 0.4026



57.8521, 0.3049, 0.3897



57.8521, 0.2682, 0.3567

# Triad

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



57.8521, 0.3049, 0.3897



57.8521, 0.2492, 0.2658



57.8521, 0.3862, 0.3342

# Complementary

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



57.8521, 0.3049, 0.3897



43.7389, 0.3217, 0.2750

# 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.



57.8521, 0.3571, 0.3023



57.8521, 0.3049, 0.3897



57.8521, 0.2772, 0.2641

# Square

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



57.8521, 0.3049, 0.3897



57.8521, 0.2375, 0.2838



57.8521, 0.3165, 0.2774



57.8521, 0.3939, 0.3668



# Rectangle

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



57.8521, 0.3049, 0.3897



57.8521, 0.2503, 0.3298



57.8521, 0.3165, 0.2774



57.8521, 0.3786, 0.3231

# Sweetspot

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



57.8545, 0.3049, 0.3897



95.8126, 0.3105, 0.3444



63.3702, 0.3452, 0.3918



20.4344, 0.3103, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

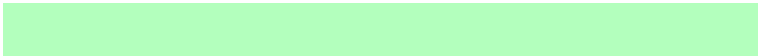


# Same Dimension

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



57.8545, 0.3049, 0.3897



84.7018, 0.3032, 0.4052



58.9007, 0.2886, 0.3551



13.9225, 0.3098, 0.3498



29.1294, 0.2970, 0.5890



1.7659, 0.2900, 0.5639



# Inverse Universe

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



43.7389, 0.3217, 0.2750



59.8854, 0.3240, 0.2631



42.5908, 0.3451, 0.3045



12.6031, 0.3158, 0.3090



10.7872, 0.3572, 0.1741

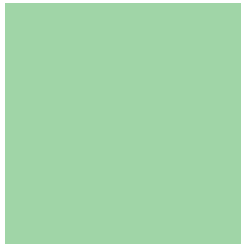


0.6587, 0.3500, 0.1702



# Previews

## White Background



This preview shows how the Yxy color 57.8521, 0.3049, 0.3897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

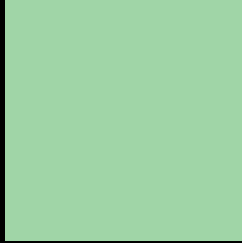
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8521, 0.3049, 0.3897 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

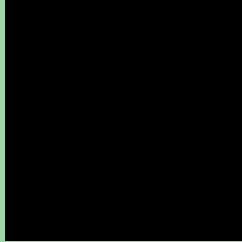
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.8521, 0.3049, 0.3897**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8521, 0.3049, 0.3897.

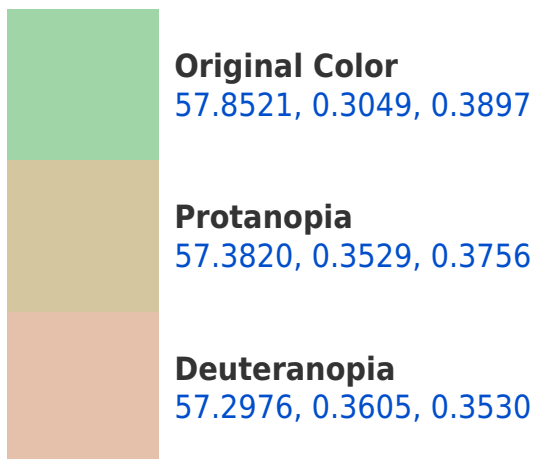


This preview shows how white text looks on a background with the Yxy color 57.8521, 0.3049, 0.3897.

# 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

57.9626, 0.2767, 0.3094

# Trichromacy



**Original Color**

57.8521, 0.3049, 0.3897

**Protanomaly**

57.1675, 0.3337, 0.3801

**Deuteranomaly**

57.0482, 0.3383, 0.3654

**Tritanomaly**

57.9722, 0.2866, 0.3378

# Monochromacy



**Original Color**

57.8521, 0.3049, 0.3897

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

54.4307, 0.3094, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8521, 0.3049, 0.3897 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(160, 213, 167)` looks like.

```
.text, #text, p{  
    color:rgb(160, 213, 167)  
}
```

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(160, 213, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 213, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8521, 0.3049, 0.3897 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(160, 213, 167) }
```

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

```
.border{ border-color:rgb(160, 213, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 213, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 213, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 213, 167);  
box-shadow:4px 4px 4px 4px rgb(160, 213,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8521, 0.3049, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 213, 167) }
```

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

```
.background{ background-color: rgb(160,  
213, 167) }
```

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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