

# Converting Colors

$Yxy(51.2487, 0.3089, 0.3777)$

Have a look what the booklet for  
Yxy(51.2487, 0.3089, 0.3777)  
contains.

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# Color

**Yxy(51.0683, 0.3089, 0.3780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C7A3
RGB	161, 199, 163
RGB Percent	63%, 78%, 64%
CMY	0.3686, 0.2196, 0.3608
CMYK	0.19, 0.00, 0.18, 0.22
HSL	123°, 25%, 71%
HSV	123°, 19%, 78%
XYZ	41.7328, 51.0683, 42.3002
YIQ	183.5340, -11.0920, -19.2520

# Conversions

## Conversions Part 2

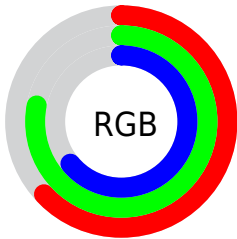
Format	Color
<a href="#">RYB</a>	<a href="#">161, 197, 199</a>
Decimal	<a href="#">10602403</a>
CIELab	<a href="#">76.72, -19.63, 13.93</a>
CIELCh	<a href="#">77, 24.068, 144.640</a>
Yxy	<a href="#">51.0683, 0.3089, 0.3780</a>
Android (android.graphics.Color)	<a href="#">4288792483 (0xFFA1C7A3)</a>
YUV	<a href="#">183.5340, -10.1233, -19.7623</a>
Hunter-Lab	<a href="#">71.4621, -20.8173, 14.9282</a>

# Details

The Yxy color **51.0683, 0.3089, 0.3780** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.6693, 0.3166, 0.2844**, and the grayscale version is **47.7255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1809, 0.3097, 0.3680**, and **24.6497, 0.3077, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **48.5381, 0.3068, 0.4083**, and if you desaturate by 10%, it is **54.0328, 0.3110, 0.3509**.

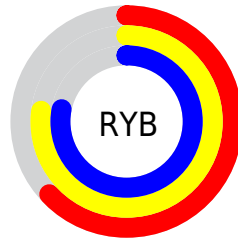
# Distribution



Red (63%)

Green (78%)

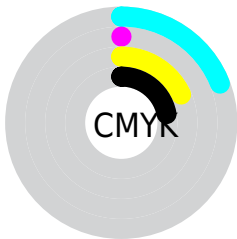
Blue (64%)



Red (63%)

Yellow (77%)

Blue (78%)

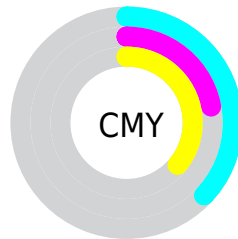


Cyan (19%)

Magenta (0%)

Yellow (18%)

Black (22%)



Cyan (37%)

Magenta (22%)


Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0683, 0.3089, 0.3780 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 51.0683, 0.3089, 0.3780 by changing the saturation by 10% instead.



 51.0683, 0.3089,  
0.3780

 51.0683, 0.3089,  
0.3780


390.8291, 0.3112,  
0.3531

 36.2630, 0.3082,  
0.3843


 91.7557, 0.3098,  
0.3689

 24.6374, 0.3073,  
0.3925


 118.4066, 0.3101,  
0.3655

 15.8071, 0.3059,  
0.4035


149.7748, 0.3104,  
0.3626

 9.3877, 0.3038,  
0.4191

186.2447, 0.3106,  
0.3602

 4.9949, 0.3001,  
0.4428

228.2006, 0.3108,  
0.3580

 2.2443, 0.2927,  
0.4828

276.0271, 0.3109,

 0.7440, 0.2346,


0.3562


0.7654


330.1085, 0.3110,  
0.3546


 0.0000, 0.0000,  
0.0000


 51.0683, 0.3089,  
0.3780


 51.0683, 0.3089,  
0.3780


 48.5381, 0.3068,  
0.4083


 54.0328, 0.3110,  
0.3509


 46.4157, 0.3046,  
0.4411


 57.4438, 0.3129,  
0.3270

 44.6816, 0.3026,  
0.4754

 61.3209, 0.3147,  
0.3062

 43.3124, 0.3009,  
0.5093

 65.6809, 0.3163,  
0.2882

 42.2820, 0.2997,  
0.5405

 69.3283, 0.3153,  
0.2742

■ 41.5608, 0.2990,  
0.5666

■ 41.1141, 0.2990,  
0.5854

■ 40.8866, 0.2992,  
0.5964

■ 40.8709, 0.2992,  
0.5970

# Harmonies

## Analogous

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



51.0683, 0.3412, 0.3875



51.0683, 0.3089, 0.3780



51.0683, 0.2787, 0.3530

# Triad

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



51.0683, 0.3089, 0.3780



51.0683, 0.2603, 0.2785



51.0683, 0.3703, 0.3320

# Complementary

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



51.0683, 0.3089, 0.3780



41.6693, 0.3166, 0.2844

# 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.



51.0683, 0.3464, 0.3061



51.0683, 0.3089, 0.3780



51.0683, 0.2826, 0.2760

# Square

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



51.0683, 0.3089, 0.3780



51.0683, 0.2516, 0.2945



51.0683, 0.3139, 0.2860



51.0683, 0.3778, 0.3586



# Rectangle

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



51.0683, 0.3089, 0.3780



51.0683, 0.2636, 0.3320



51.0683, 0.3139, 0.2860



51.0683, 0.3639, 0.3230

# Sweetspot

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



51.0705, 0.3089, 0.3780



96.3135, 0.3116, 0.3433



55.3062, 0.3396, 0.3763



20.5330, 0.3114, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

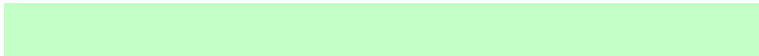


# Same Dimension

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



51.0705, 0.3089, 0.3780



87.4447, 0.3080, 0.3905



51.8002, 0.2958, 0.3517



11.8967, 0.3109, 0.3516



26.2840, 0.2989, 0.5962



1.2477, 0.2953, 0.5829



# Inverse Universe

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



41.6693, 0.3166, 0.2844



67.9234, 0.3176, 0.2744



40.8554, 0.3336, 0.3073



10.8067, 0.3146, 0.3074



10.1650, 0.3342, 0.1615



0.4843, 0.3312, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 51.0683, 0.3089, 0.3780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

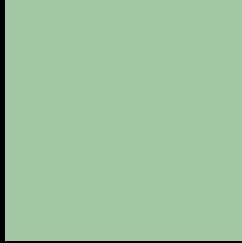
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0683, 0.3089, 0.3780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

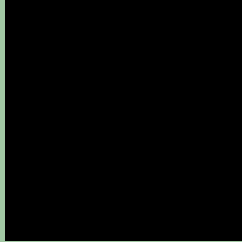
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.0683, 0.3089, 0.3780**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0683, 0.3089, 0.3780.



This preview shows how white text looks on a background with the Yxy color 51.0683, 0.3089, 0.3780.

# 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

51.0683, 0.3089, 0.3780

### Protanopia

50.5772, 0.3460, 0.3668

### Deuteranopia

50.6930, 0.3542, 0.3471



## Tritanopia

51.1290, 0.2837, 0.3098

# Trichromacy



**Original Color**

51.0683, 0.3089, 0.3780

**Protanomaly**

50.5516, 0.3314, 0.3706

**Deuteranomaly**

50.3217, 0.3360, 0.3569

**Tritanomaly**

50.9430, 0.2924, 0.3329

# Monochromacy



**Original Color**

51.0683, 0.3089, 0.3780

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.7599, 0.3119, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0683, 0.3089, 0.3780 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(161, 199, 163)` looks like.

```
.text, #text, p{  
    color:rgb(161, 199, 163)  
}
```

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(161, 199, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 199, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0683, 0.3089, 0.3780 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(161, 199, 163) }
```

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

```
.border{ border-color:rgb(161, 199, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 199, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 199, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 199, 163);  
box-shadow:4px 4px 4px 4px rgb(161, 199,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0683, 0.3089, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 199, 163) }
```

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

```
.background{ background-color: rgb(161,  
199, 163) }
```

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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