

# Converting Colors

$Y_{xy}(38.1885, 0.3074, 0.4071)$

Have a look what the booklet for  
Yxy(38.1885, 0.3074, 0.4071)  
contains.

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# Color

**Yxy(38.3372, 0.3073, 0.4086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FB381
RGB	127, 179, 129
RGB Percent	50%, 70%, 51%
CMY	0.5021, 0.2980, 0.4940
CMYK	0.29, 0.00, 0.28, 0.30
HSL	122°, 26%, 60%
HSV	122°, 29%, 70%
XYZ	28.8327, 38.3372, 26.6559
YIQ	157.7520, -14.9420, -26.5740

# Conversions

## Conversions Part 2

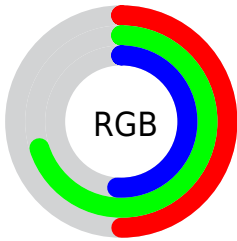
Format	Color
<a href="#">RYB</a>	<a href="#">127, 177, 179</a>
Decimal	<a href="#">8369025</a>
CIELab	<a href="#">68.27, -27.27, 20.18</a>
CIELCh	<a href="#">68, 33.920, 143.502</a>
Yxy	<a href="#">38.3372, 0.3073, 0.4086</a>
Android (android.graphics.Color)	<a href="#">4286559105 (0xFF7FB381)</a>
YUV	<a href="#">157.7520, -14.1747, -26.9695</a>
Hunter-Lab	<a href="#">61.9170, -25.2335, 17.8170</a>

# Details

The Yxy color **38.3372, 0.3073, 0.4086** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.9285, 0.3182, 0.2605**, and the grayscale version is **34.1430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6178, 0.3091, 0.3924**, and **17.0227, 0.3044, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **36.6651, 0.3053, 0.4416**, and if you desaturate by 10%, it is **40.3337, 0.3093, 0.3782**.

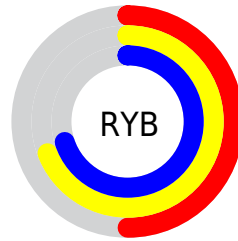
# Distribution



Red (50%)

Green (70%)

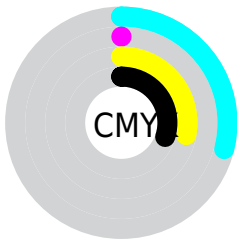
Blue (51%)



Red (50%)

Yellow (69%)

Blue (70%)

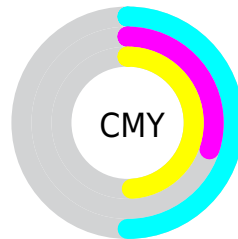


Cyan (29%)

Magenta (0%)

Yellow (28%)

Black (30%)



Cyan (50%)

Magenta (30%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3372, 0.3073, 0.4086 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 38.3372, 0.3073, 0.4086 by changing the saturation by 10% instead.




 38.3372, 0.3073,  
0.4086


 38.3372, 0.3073,  
0.4086


339.0643, 0.3111,  
0.3657

 26.2445, 0.3059,  
0.4204


 72.6247, 0.3090,  
0.3922

 17.0066, 0.3039,  
0.4362


 95.5883, 0.3095,  
0.3863

 10.2392, 0.3005,  
0.4586


 122.9443, 0.3099,  
0.3814

 5.5579, 0.2945,  
0.4921

155.0771, 0.3103,  
0.3773

 2.5781, 0.2828,  
0.5488

192.3711, 0.3105,  
0.3737

 0.9157, 0.1825,  
0.8175

235.2107, 0.3107,

 0.0000, 0.0000,


0.3707


0.0000


283.9803, 0.3109,  
0.3680


 38.3372, 0.3073,  
0.4086


 38.3372, 0.3073,  
0.4086


 36.6651, 0.3053,  
0.4416


 40.3337, 0.3093,  
0.3782

 35.2958, 0.3034,  
0.4759


 42.6652, 0.3111,  
0.3509


 34.2125, 0.3017,  
0.5099

 45.3479, 0.3129,  
0.3269

 33.3949, 0.3004,  
0.5411

 48.3956, 0.3145,  
0.3060

 32.8202, 0.2996,  
0.5671

 51.8211, 0.3159,  
0.2880

■ 32.4616, 0.2993,  
0.5859

■ 55.6368, 0.3172,  
0.2724

■ 32.2732, 0.2993,  
0.5967

■ 59.8545, 0.3183,  
0.2591

■ 32.2590, 0.2993,  
0.5974

■ 60.7235, 0.3162,  
0.2546

# Harmonies

## Analogous

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



38.3372, 0.3569, 0.4207



38.3372, 0.3073, 0.4086



38.3372, 0.2614, 0.3684

# Triad

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



38.3372, 0.3073, 0.4086



38.3372, 0.2327, 0.2527



38.3372, 0.4016, 0.3302

# Complementary

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



38.3372, 0.3073, 0.4086



27.9285, 0.3182, 0.2605

# 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.



38.3372, 0.3629, 0.2926



38.3372, 0.3073, 0.4086



38.3372, 0.2646, 0.2494

# Square

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



38.3372, 0.3073, 0.4086



38.3372, 0.2209, 0.2759



38.3372, 0.3117, 0.2639



38.3372, 0.4138, 0.3702



# Rectangle

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



38.3372, 0.3073, 0.4086



38.3372, 0.2388, 0.3343



38.3372, 0.3117, 0.2639



38.3372, 0.3911, 0.3171

# Sweetspot

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



38.3388, 0.3073, 0.4086



76.3676, 0.3111, 0.3511



43.1543, 0.3542, 0.4007



16.7775, 0.3109, 0.3549



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



38.3388, 0.3073, 0.4086



66.6389, 0.3060, 0.4299



39.1106, 0.2883, 0.3666



9.4953, 0.3111, 0.3516



22.7957, 0.2991, 0.5969



0.7190, 0.2955, 0.5839



# Inverse Universe

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



27.9285, 0.3182, 0.2605



44.8923, 0.3195, 0.2454



26.9985, 0.3466, 0.2944



8.6408, 0.3143, 0.3074



8.8780, 0.3309, 0.1596



0.2811, 0.3279, 0.1580



# Previews

## White Background



This preview shows how the Yxy color 38.3372, 0.3073, 0.4086 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 38.3372, 0.3073, 0.4086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

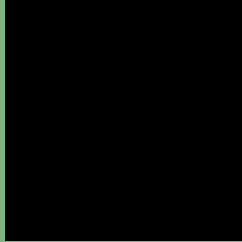
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 38.3372, 0.3073, 0.4086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 38.3372, 0.3073, 0.4086.



This preview shows how white text looks on a background with the Yxy color 38.3372, 0.3073, 0.4086.

# 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

38.3372, 0.3073, 0.4086

### Protanopia

38.1675, 0.3631, 0.3896

### Deuteranopia

37.8272, 0.3717, 0.3640



## Tritanopia

38.3262, 0.2735, 0.3099

# Trichromacy



**Original Color**

38.3372, 0.3073, 0.4086

**Protanomaly**

37.9774, 0.3408, 0.3974

**Deuteranomaly**

37.3734, 0.3459, 0.3784

**Tritanomaly**

38.3631, 0.2852, 0.3441

# Monochromacy



**Original Color**

38.3372, 0.3073, 0.4086

**Achromatopsia**

34.1914, 0.3127, 0.3290

**Achromatomaly**

35.5821, 0.3113, 0.3581

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  38.3372, 0.3073, 0.4086 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(127, 179, 129)` looks like.

```
.text, #text, p{  
    color:rgb(127, 179, 129)  
}
```

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(127, 179, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 179, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3372, 0.3073, 0.4086 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(127, 179, 129) }
```

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

```
.border{ border-color:rgb(127, 179, 129) }
```

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

Here you see how a box with a 4 pixel rgb(127, 179, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 179, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 179, 129);  
box-shadow:4px 4px 4px 4px rgb(127, 179,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3372, 0.3073, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 179, 129) }
```

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

```
.background{ background-color: rgb(127,  
179, 129) }
```

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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