

# Converting Colors

$Y_{xy}(47.2371, 0.2823, 0.3590)$

Have a look what the booklet for  
Yxy(47.2371, 0.2823, 0.3590)  
contains.

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# Color

**Yxy(47.2371, 0.2823, 0.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C3AE
RGB	135, 195, 174
RGB Percent	53%, 76%, 68%
CMY	0.4706, 0.2353, 0.3177
CMYK	0.31, 0.00, 0.11, 0.24
HSL	159°, 33%, 65%
HSV	159°, 31%, 76%
XYZ	37.1449, 47.2371, 47.1976
YIQ	174.6660, -29.0190, -19.2510

# Conversions

## Conversions Part 2

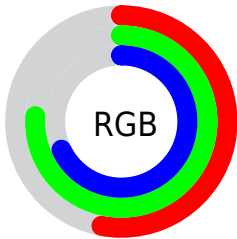
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 171, 195
Decimal	8897454
CIELab	74.34, -23.84, 4.40
CIELCh	74, 24.245, 169.547
Yxy	47.2371, 0.2823, 0.3590
Android (android.graphics.Color)	4287087534 (0xFF87C3AE)
YUV	174.6660, -0.3283, -34.7871
Hunter-Lab	68.7293, -23.8053, 7.3950

# Details

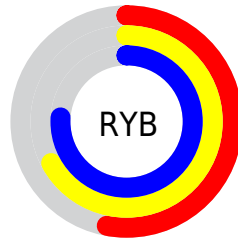
The Yxy color  $47.2371, 0.2823, 0.3590$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $31.3303, 0.3573, 0.3011$ , and the grayscale version is  $42.7010, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.2251, 0.2883, 0.3541$ , and  $22.2939, 0.2734, 0.3670$  is the 20% darker color. If you saturate the color by 10%, you get  $45.5073, 0.2740, 0.3706$ , and if you desaturate by 10%, it is  $49.2805, 0.2916, 0.3483$ .

# Distribution



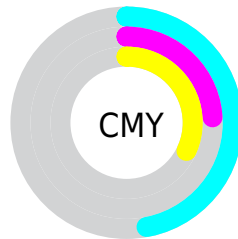
- Red (53%)
- Green (76%)
- Blue (68%)



- Red (53%)
- Yellow (67%)
- Blue (76%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)




- Cyan (47%)
- Magenta (24%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2371, 0.2823, 0.3590 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 47.2371, 0.2823, 0.3590 by changing the saturation by 10% instead.



 47.2371, 0.2823,  
0.3590


 47.2371, 0.2823,  
0.3590

375.7601, 0.2976,  
0.3438


 33.2231, 0.2785,  
0.3629


 86.0674, 0.2879,  
0.3534

 22.2974, 0.2735,  
0.3679


 111.6526, 0.2900,  
0.3513

 14.0756, 0.2669,  
0.3747


 141.8636, 0.2917,  
0.3496

 8.1733, 0.2576,  
0.3843


177.0848, 0.2932,  
0.3481

 4.2060, 0.2437,  
0.3991

217.7007, 0.2945,  
0.3468

 1.7895, 0.2205,  
0.4244

264.0956, 0.2957,

 0.4806, 0.0000,

0.3456

0.6902

316.6540, 0.2967,  
0.3447

0.0000, 0.0000,  
0.0000

47.2371, 0.2823,  
0.3590

47.2371, 0.2823,  
0.3590

45.5073, 0.2740,  
0.3706

49.2805, 0.2916,  
0.3483

44.0691, 0.2669,  
0.3829

51.6469, 0.3016,  
0.3385

42.9062, 0.2614,  
0.3959


54.3524, 0.3119,  
0.3296

41.9988, 0.2577,  
0.4093


57.4103, 0.3224,  
0.3217


41.3242, 0.2559,  
0.4228


60.8331, 0.3329,  
0.3147


 40.8552, 0.2562,  
0.4362

 64.6328, 0.3433,  
0.3085

 40.5577, 0.2579,  
0.4483

 65.5560, 0.3403,  
0.3018

 65.9293, 0.3350,  
0.2951

 66.3176, 0.3298,  
0.2885

# Harmonies

## Analogous

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



47.2371, 0.3145, 0.3827



47.2371, 0.2823, 0.3590



47.2371, 0.2590, 0.3267

# Triad

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



47.2371, 0.2823, 0.3590



47.2371, 0.2768, 0.2738



47.2371, 0.3801, 0.3551

# Complementary

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



47.2371, 0.2823, 0.3590



31.3303, 0.3573, 0.3011

# 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.



47.2371, 0.3691, 0.3273



47.2371, 0.2823, 0.3590



47.2371, 0.3080, 0.2821

# Square

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



47.2371, 0.2823, 0.3590



47.2371, 0.2560, 0.2787



47.2371, 0.3422, 0.3012



47.2371, 0.3717, 0.3781



# Rectangle

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



47.2371, 0.2823, 0.3590



47.2371, 0.2511, 0.3062



47.2371, 0.3422, 0.3012



47.2371, 0.3785, 0.3460

# Sweetspot

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



47.2390, 0.2823, 0.3590



93.2437, 0.3032, 0.3370



47.9502, 0.3260, 0.4136



20.2703, 0.3017, 0.3384



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.



47.2390, 0.2823, 0.3590



82.4325, 0.2765, 0.3668



44.6336, 0.2677, 0.3176



11.3666, 0.3030, 0.3372



26.3749, 0.2574, 0.4465



1.1522, 0.2492, 0.4171



# Inverse Universe

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



31.3303, 0.3573, 0.3011



49.3858, 0.3712, 0.2947



32.9960, 0.3782, 0.3400



10.1349, 0.3235, 0.3210



7.8289, 0.5550, 0.2831



0.3514, 0.4922, 0.2485



# Previews

## White Background



This preview shows how the Yxy color 47.2371, 0.2823, 0.3590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

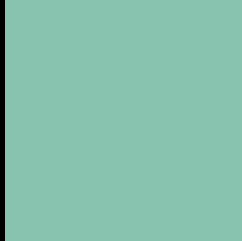
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2371, 0.2823, 0.3590 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

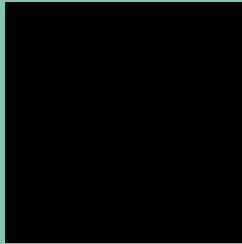
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2371, 0.2823, 0.3590**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2371, 0.2823, 0.3590.

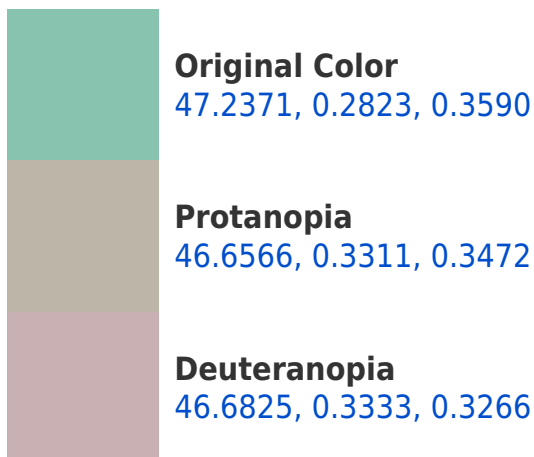


This preview shows how white text looks on a background with the Yxy color 47.2371, 0.2823, 0.3590.

# 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

47.0339, 0.2660, 0.3073

# Trichromacy



## Original Color

47.2371, 0.2823, 0.3590

## Protanomaly

46.4551, 0.3109, 0.3507

## Deuteranomaly

46.3884, 0.3123, 0.3369

## Tritanomaly

47.0833, 0.2718, 0.3261

# Monochromacy



## Original Color

47.2371, 0.2823, 0.3590

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.0246, 0.2997, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2371, 0.2823, 0.3590 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(135, 195, 174)` looks like.

```
.text, #text, p{  
    color:rgb(135, 195, 174)  
}
```

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(135, 195, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 195, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2371, 0.2823, 0.3590 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(135, 195, 174) }
```

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

```
.border{ border-color:rgb(135, 195, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 195, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 195, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 195, 174);  
box-shadow:4px 4px 4px 4px rgb(135, 195,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2371, 0.2823, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 195, 174) }
```

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

```
.background{ background-color: rgb(135,  
195, 174) }
```

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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