

# Converting Colors

$Yxy(42.9331, 0.2873, 0.3490)$

Have a look what the booklet for  
Yxy(42.9331, 0.2873, 0.3490)  
contains.

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# Color

**Yxy(42.7967, 0.2870, 0.3479)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CB8AB
RGB	140, 184, 171
RGB Percent	55%, 72%, 67%
CMY	0.4509, 0.2784, 0.3295
CMYK	0.24, 0.00, 0.07, 0.28
HSL	162°, 24%, 64%
HSV	162°, 24%, 72%
XYZ	35.3051, 42.7967, 44.9125
YIQ	169.3620, -22.0510, -13.3710

# Conversions

## Conversions Part 2

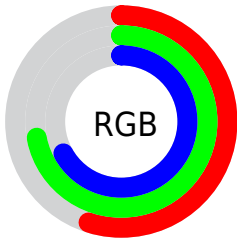
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 166, 184
Decimal	9222315
CIE <sub>Lab</sub>	71.42, -17.38, 1.84
CIE <sub>LCh</sub>	71, 17.473, 173.956
Yxy	42.7967, 0.2870, 0.3479
Android (android.graphics.Color)	4287412395 (0xFF8CB8AB)
YUV	169.3620, 0.8075, -25.7505
Hunter-Lab	65.4192, -18.1515, 5.0888

# Details

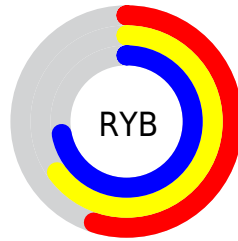
The Yxy color **42.7967, 0.2870, 0.3479** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.2515, 0.3473, 0.3110**, and the grayscale version is **39.8697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2805, 0.2917, 0.3445**, and **19.6884, 0.2795, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **41.1277, 0.2774, 0.3571**, and if you desaturate by 10%, it is **44.7451, 0.2974, 0.3395**.

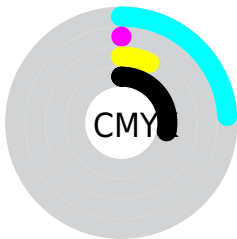
# Distribution



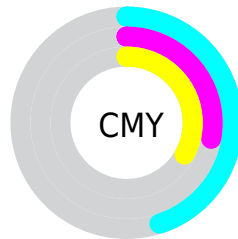
- Red (55%)
- Green (72%)
- Blue (67%)



- Red (55%)
- Yellow (65%)
- Blue (72%)



- Cyan (24%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)




- Cyan (45%)
- Magenta (28%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7967, 0.2870, 0.3479 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 42.7967, 0.2870, 0.3479 by changing the saturation by 10% instead.




 42.7967, 0.2870,  
0.3479


 42.7967, 0.2870,  
0.3479


357.7750, 0.3001,  
0.3382

 29.7256, 0.2837,  
0.3504


 79.4040, 0.2918,  
0.3443

 19.6304, 0.2793,  
0.3536


 103.7090, 0.2936,  
0.3430

 12.1267, 0.2735,  
0.3580


 132.5274, 0.2951,  
0.3419

 6.8300, 0.2652,  
0.3643

166.2437, 0.2964,  
0.3410

 3.3560, 0.2525,  
0.3740

205.2422, 0.2975,  
0.3401

 1.3203, 0.2304,  
0.3914

249.9073, 0.2985,

 0.1568, 0.0000,

0.3394

0.7882

300.6235, 0.2993,  
0.3388

0.0000, 0.0000,  
0.0000

42.7967, 0.2870,  
0.3479

42.7967, 0.2870,  
0.3479

41.1277, 0.2774,  
0.3571

44.7451, 0.2974,  
0.3395

39.7194, 0.2689,  
0.3669

46.9801, 0.3083,  
0.3318

38.5590, 0.2618,  
0.3773

49.5151, 0.3196,  
0.3249

37.6306, 0.2564,  
0.3882

52.3611, 0.3309,  
0.3187

36.9164, 0.2528,  
0.3993

55.5286, 0.3421,  
0.3133

■ 36.3957, 0.2512,  
0.4105

■ 59.0276, 0.3531,  
0.3085

■ 36.0437, 0.2515,  
0.4216

■ 60.1529, 0.3524,  
0.3032

■ 35.8810, 0.2523,  
0.4283

■ 60.4278, 0.3478,  
0.2977

■ 60.7121, 0.3433,  
0.2923

# Harmonies

## Analogous

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



42.7967, 0.3106, 0.3665



42.7967, 0.2870, 0.3479



42.7967, 0.2706, 0.3242

# Triad

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



42.7967, 0.2870, 0.3479



42.7967, 0.2890, 0.2875



42.7967, 0.3627, 0.3520

# Complementary

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



42.7967, 0.2870, 0.3479



31.2515, 0.3473, 0.3110

# 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.



42.7967, 0.3566, 0.3313



42.7967, 0.2870, 0.3479



42.7967, 0.3132, 0.2951

# Square

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



42.7967, 0.2870, 0.3479



42.7967, 0.2717, 0.2901



42.7967, 0.3382, 0.3108



42.7967, 0.3548, 0.3679



# Rectangle

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



42.7967, 0.2870, 0.3479



42.7967, 0.2656, 0.3094



42.7967, 0.3382, 0.3108



42.7967, 0.3622, 0.3454

# Sweetspot

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



42.7985, 0.2870, 0.3479



83.8016, 0.3048, 0.3342



42.9693, 0.3207, 0.3932



18.0133, 0.3041, 0.3346



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



42.7985, 0.2870, 0.3479



75.8306, 0.2815, 0.3529



39.7774, 0.2769, 0.3162



10.1641, 0.3024, 0.3359



24.7404, 0.2519, 0.4270



0.8825, 0.2440, 0.3985



# Inverse Universe

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



31.2515, 0.3473, 0.3110



51.0444, 0.3580, 0.3065



33.5193, 0.3588, 0.3414



9.0548, 0.3243, 0.3222



7.2210, 0.5743, 0.2937



0.2658, 0.4989, 0.2522



# Previews

## White Background



This preview shows how the Yxy color 42.7967, 0.2870, 0.3479 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

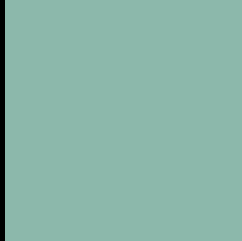
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.7967, 0.2870, 0.3479 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

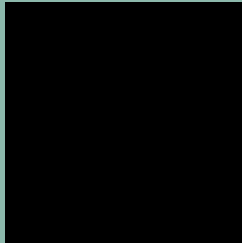
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

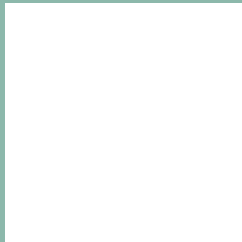
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.7967, 0.2870, 0.3479**

## Background



This preview shows how black text looks on a background with the Yxy color 42.7967, 0.2870, 0.3479.



This preview shows how white text looks on a background with the Yxy color 42.7967, 0.2870, 0.3479.

# 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

42.7967, 0.2870, 0.3479

### Protanopia

42.6920, 0.3257, 0.3412

### Deuteranopia

42.5083, 0.3287, 0.3225



## Tritanopia

42.6024, 0.2737, 0.3080

# Trichromacy



## Original Color

42.7967, 0.2870, 0.3479

## Protanomaly

42.6301, 0.3103, 0.3443

## Deuteranomaly

42.0599, 0.3118, 0.3304

## Tritanomaly

42.4326, 0.2784, 0.3218

# Monochromacy



## Original Color

42.7967, 0.2870, 0.3479

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

40.4435, 0.3020, 0.3347

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.7967, 0.2870, 0.3479 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(140, 184, 171)` looks like.

```
.text, #text, p{  
    color:rgb(140, 184, 171)  
}
```

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(140, 184, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 184, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 42.7967, 0.2870, 0.3479 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(140, 184, 171) }
```

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

```
.border{ border-color:rgb(140, 184, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 184, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 184, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 184, 171);  
box-shadow:4px 4px 4px 4px rgb(140, 184,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.7967, 0.2870, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 184, 171) }
```

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

```
.background{ background-color: rgb(140,  
184, 171) }
```

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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