

Converting Colors

$Yxy(43.6321, 0.2779, 0.3477)$

Have a look what the booklet for
Yxy(43.6321, 0.2779, 0.3477)
contains.

Yxy(43.8869, 0.2781, 0.3479)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.8869, 0.2781, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	83BCAF
RGB	131, 188, 175
RGB Percent	51%, 74%, 69%
CMY	0.4862, 0.2627, 0.3137
CMYK	0.30, 0.00, 0.07, 0.26
HSL	166°, 30%, 63%
HSV	166°, 30%, 74%
XYZ	35.0818, 43.8869, 47.1794
YIQ	169.4750, -29.7990, -16.1270

Conversions

Conversions Part 2

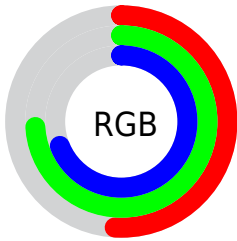
Format	Color
RYB	131, 163, 188
Decimal	8633519
CIELab	72.15, -21.31, 0.65
CIELCh	72, 21.318, 178.266
Yxy	43.8869, 0.2781, 0.3479
Android (android.graphics.Color)	4286823599 (0xFF83BCAF)
YUV	169.4750, 2.7238, -33.7426
Hunter-Lab	66.2472, -21.4064, 4.1484

Details

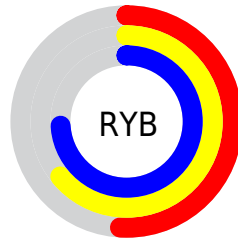
The Yxy color **43.8869, 0.2781, 0.3479** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.9402, 0.3643, 0.3111**, and the grayscale version is **39.9226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8536, 0.2850, 0.3445**, and **20.4203, 0.2678, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **42.3553, 0.2685, 0.3552**, and if you desaturate by 10%, it is **45.6998, 0.2888, 0.3411**.

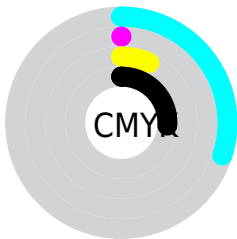
Distribution



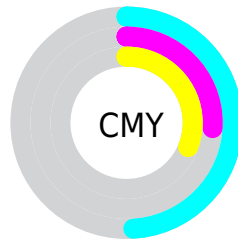
- Red (51%)
- Green (74%)
- Blue (69%)



- Red (51%)
- Yellow (64%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)





- Cyan (49%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8869, 0.2781, 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 43.8869, 0.2781, 0.3479 by changing the saturation by 10% instead.


 43.8869, 0.2781,
0.3479


 43.8869, 0.2781,
0.3479


362.2465, 0.2956,
0.3384


 30.5816, 0.2737,
0.3503


 81.0475, 0.2845,
0.3444

 20.2805, 0.2680,
0.3534


 105.6716, 0.2869,
0.3431

 12.5991, 0.2604,
0.3576


 134.8375, 0.2889,
0.3420

 7.1531, 0.2497,
0.3636

168.9295, 0.2906,
0.3411

 3.5580, 0.2335,
0.3726

208.3320, 0.2921,
0.3402

 1.4295, 0.2060,
0.3881

253.4294, 0.2934,

 0.2383, 0.0000,

0.3395

0.5264

304.6061, 0.2945,
0.3389

0.0000, 0.0000,
0.0000

43.8869, 0.2781,
0.3479

43.8869, 0.2781,
0.3479

42.3553, 0.2685,
0.3552

45.6998, 0.2888,
0.3411

41.0848, 0.2602,
0.3629

47.8024, 0.3003,
0.3349

40.0611, 0.2536,
0.3710

50.2091, 0.3123,
0.3292


39.2661, 0.2488,
0.3793


52.9320, 0.3246,
0.3241

38.6794, 0.2460,
0.3877

55.9824, 0.3370,
0.3195


 38.2767, 0.2451,
0.3960

 59.3711, 0.3493,
0.3155

 38.0155, 0.2456,
0.4041

 61.6364, 0.3550,
0.3115

 61.8464, 0.3515,
0.3072

 62.0622, 0.3480,
0.3028

Harmonies

Analogous

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



43.8869, 0.3056, 0.3723



43.8869, 0.2781, 0.3479



43.8869, 0.2603, 0.3188

Triad

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



43.8869, 0.2781, 0.3479



43.8869, 0.2878, 0.2799



43.8869, 0.3729, 0.3596

Complementary

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



43.8869, 0.2781, 0.3479



28.9402, 0.3643, 0.3111

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.



43.8869, 0.3681, 0.3351



43.8869, 0.2781, 0.3479



43.8869, 0.3177, 0.2906

Square

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



43.8869, 0.2781, 0.3479



43.8869, 0.2657, 0.2809



43.8869, 0.3474, 0.3103



43.8869, 0.3609, 0.3777

Rectangle

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



43.8869, 0.2781, 0.3479



43.8869, 0.2557, 0.3016



43.8869, 0.3474, 0.3103



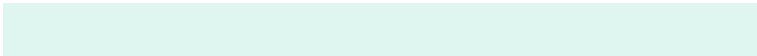
43.8869, 0.3733, 0.3518

Sweetspot

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



43.8887, 0.2781, 0.3479



87.1129, 0.3017, 0.3342



43.5634, 0.3194, 0.4137



18.6045, 0.3000, 0.3350



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



43.8887, 0.2781, 0.3479



77.7387, 0.2719, 0.3524



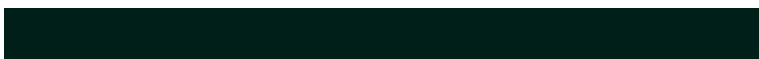
38.2689, 0.2671, 0.3066



10.7713, 0.3014, 0.3343



25.8939, 0.2453, 0.4031



1.0236, 0.2398, 0.3832

Inverse Universe

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



28.9402, 0.3643, 0.3111



46.5450, 0.3796, 0.3073



32.9520, 0.3736, 0.3502



9.5711, 0.3253, 0.3238



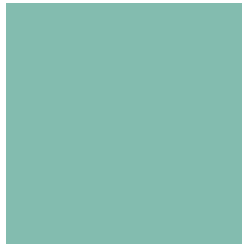
7.4070, 0.5969, 0.3062



0.3004, 0.5284, 0.2685

Previews

White Background



This preview shows how the Yxy color 43.8869, 0.2781, 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 43.8869, 0.2781, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

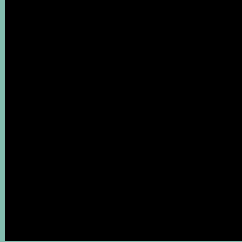
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

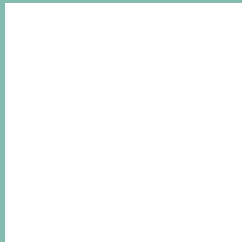
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8869, 0.2781, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 43.8869, 0.2781, 0.3479.

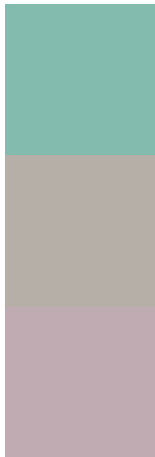


This preview shows how white text looks on a background with the Yxy color 43.8869, 0.2781, 0.3479.

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

43.8869, 0.2781, 0.3479

Protanopia

43.3109, 0.3239, 0.3384

Deuteranopia

43.5870, 0.3250, 0.3187



Tritanopia

43.6387, 0.2653, 0.3079

Trichromacy



Original Color

43.8869, 0.2781, 0.3479

Protanomaly

43.3693, 0.3053, 0.3415

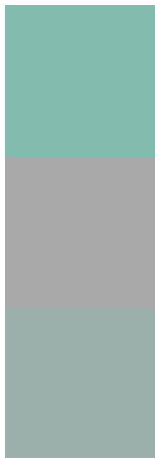
Deuteranomaly

43.2047, 0.3059, 0.3276

Tritanomaly

43.4840, 0.2699, 0.3218

Monochromacy



Original Color

43.8869, 0.2781, 0.3479

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.9595, 0.2986, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8869, 0.2781, 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(131, 188, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 188, 175)  
}
```

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(131, 188, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 188, 175) }
```

Border

The CSS property to change the border of an element to Yxy 43.8869, 0.2781, 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(131, 188, 175) }
```

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

```
.border{ border-color:rgb(131, 188, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 188, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 188, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 188, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 188,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8869, 0.2781, 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(131, 188, 175) }
```

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

```
.background{ background-color: rgb(131,  
188, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor