

Converting Colors

$Y_{xy}(43.8273, 0.2617, 0.3776)$

Have a look what the booklet for
Yxy(43.8273, 0.2617, 0.3776)
contains.

Yxy(43.8842, 0.2617, 0.3773)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(43.8842, 0.2617, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	5AC3A4
RGB	90, 195, 164
RGB Percent	35%, 76%, 64%
CMY	0.6467, 0.2353, 0.3569
CMYK	0.54, 0.00, 0.16, 0.24
HSL	162°, 47%, 56%
HSV	162°, 54%, 76%
XYZ	30.4386, 43.8842, 41.9883
YIQ	160.0710, -52.6290, -31.9010

Conversions

Conversions Part 2

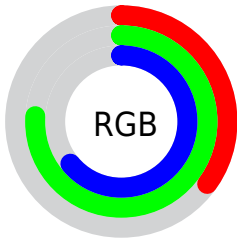
Format	Color
RYB	90, 152, 195
Decimal	5948324
CIELab	72.15, -37.88, 6.41
CIELCh	72, 38.416, 170.395
Yxy	43.8842, 0.2617, 0.3773
Android (android.graphics.Color)	4284138404 (0xFF5AC3A4)
YUV	160.0710, 1.9370, -61.4523
Hunter-Lab	66.2452, -33.9110, 8.7917

Details

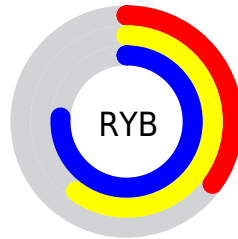
The Yxy color **43.8842, 0.2617, 0.3773** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.3111, 0.4207, 0.2885**, and the grayscale version is **35.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9383, 0.2710, 0.3678**, and **20.3902, 0.2469, 0.3939** is the 20% darker color. If you saturate the color by 10%, you get **42.8285, 0.2563, 0.3882**, and if you desaturate by 10%, it is **45.2094, 0.2688, 0.3669**.

Distribution



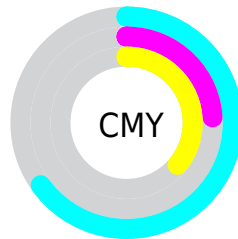
- Red (35%)
- Green (76%)
- Blue (64%)



- Red (35%)
- Yellow (60%)
- Blue (76%)



- Cyan (54%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)




- Cyan (65%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8842, 0.2617, 0.3773 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 43.8842, 0.2617, 0.3773 by changing the saturation by 10% instead.


 43.8842, 0.2617,
0.3773


 43.8842, 0.2617,
0.3773


362.2355, 0.2877,
0.3523


 30.5795, 0.2551,
0.3838


 81.0435, 0.2712,
0.3680

 20.2788, 0.2465,
0.3924


 105.6668, 0.2748,
0.3646

 12.5979, 0.2350,
0.4041


 134.8318, 0.2778,
0.3617

 7.1523, 0.2187,
0.4211

 168.9229, 0.2803,
0.3592

 3.5575, 0.1940,
0.4477

208.3244, 0.2826,
0.3571

 1.4293, 0.1264,
0.5103

253.4207, 0.2845,

 0.2381, 0.0000,

0.3553

1.0000

304.5963, 0.2862,
0.3537

■ 0.0000, 0.0000,
0.0000

■ 43.8842, 0.2617,
0.3773

■ 43.8842, 0.2617,
0.3773

■ 42.8285, 0.2563,
0.3882

■ 45.2094, 0.2688,
0.3669

■ 42.0163, 0.2527,
0.3993

■ 46.8172, 0.2773,
0.3570

■ 41.4258, 0.2511,
0.4105

■ 48.7261, 0.2870,
0.3478

■ 41.0281, 0.2515,
0.4216

■ 50.9515, 0.2974,
0.3394

■ 40.8447, 0.2524,
0.4285

■ 53.5078, 0.3084,
0.3317

■ 56.4085, 0.3197,
0.3248

■ 59.6662, 0.3311,
0.3186

■ 63.2930, 0.3424,
0.3132

■ 65.2374, 0.3450,
0.3078

Harmonies

Analogous

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



43.8842, 0.3121, 0.4188



43.8842, 0.2617, 0.3773



43.8842, 0.2269, 0.3218

Triad

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



43.8842, 0.2617, 0.3773



43.8842, 0.2563, 0.2430



43.8842, 0.4222, 0.3683

Complementary

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



43.8842, 0.2617, 0.3773



20.3111, 0.4207, 0.2885

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.



43.8842, 0.4059, 0.3254



43.8842, 0.2617, 0.3773



43.8842, 0.3056, 0.2567

Square

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



43.8842, 0.2617, 0.3773



43.8842, 0.2243, 0.2484



43.8842, 0.3615, 0.2860



43.8842, 0.4062, 0.4065

Rectangle

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



43.8842, 0.2617, 0.3773



43.8842, 0.2158, 0.2887



43.8842, 0.3615, 0.2860



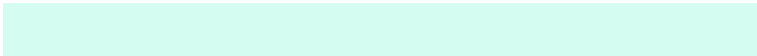
43.8842, 0.4205, 0.3541

Sweetspot

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



43.8859, 0.2617, 0.3773



90.2315, 0.2948, 0.3414



43.8727, 0.3265, 0.4885



19.5725, 0.2926, 0.3431



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.



43.8859, 0.2617, 0.3773



76.3543, 0.2553, 0.3906



36.3951, 0.2380, 0.2966



11.3761, 0.3023, 0.3359



26.5641, 0.2519, 0.4269



1.1594, 0.2451, 0.4023

Inverse Universe

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



20.3111, 0.4207, 0.2885



29.6193, 0.4615, 0.2828



23.7252, 0.4521, 0.3570



10.1258, 0.3244, 0.3222



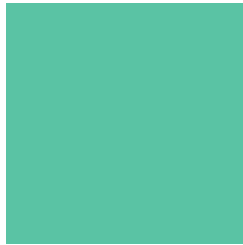
7.7497, 0.5753, 0.2943



0.3473, 0.5098, 0.2582

Previews

White Background



This preview shows how the Yxy color 43.8842, 0.2617, 0.3773 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 43.8842, 0.2617, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

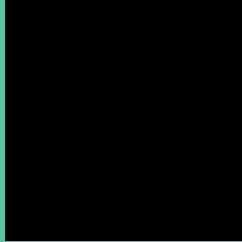
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

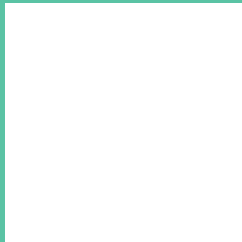
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.8842, 0.2617, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 43.8842, 0.2617, 0.3773.

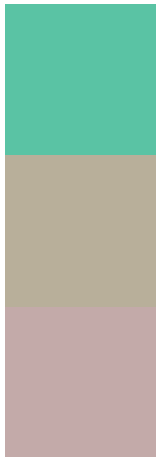


This preview shows how white text looks on a background with the Yxy color 43.8842, 0.2617, 0.3773.

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

43.8842, 0.2617, 0.3773

Protanopia

43.1834, 0.3386, 0.3573

Deuteranopia

43.2161, 0.3367, 0.3304



Tritanopia

43.6865, 0.2437, 0.3058

Trichromacy



Original Color

43.8842, 0.2617, 0.3773



Protanomaly

42.4085, 0.3044, 0.3639



Deuteranomaly

42.1983, 0.3034, 0.3460



Tritanomaly

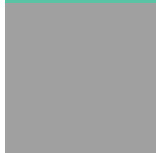
43.5760, 0.2499, 0.3303

Monochromacy



Original Color

43.8842, 0.2617, 0.3773



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

37.6112, 0.2896, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8842, 0.2617, 0.3773 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(90, 195, 164)` looks like.

```
.text, #text, p{  
  color:rgb(90, 195, 164)  
}
```

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(90, 195, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 195, 164) }
```

Border

The CSS property to change the border of an element to Yxy 43.8842, 0.2617, 0.3773 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(90, 195, 164) }
```

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

```
.border{ border-color:rgb(90, 195, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 195, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 195, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 195, 164);  
box-shadow:4px 4px 4px 4px rgb(90, 195,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8842, 0.2617, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 195, 164) }
```

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

```
.background{ background-color: rgb(90, 195,  
164) }
```

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