

Converting Colors

$Y_{xy}(43.8060, 0.2668, 0.3973)$

Have a look what the booklet for
Yxy(43.8060, 0.2668, 0.3973)
contains.

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Color

Yxy(43.8060, 0.2668, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	57C499
RGB	87, 196, 153
RGB Percent	34%, 77%, 60%
CMY	0.6589, 0.2313, 0.4000
CMYK	0.56, 0.00, 0.22, 0.23
HSL	156°, 48%, 55%
HSV	156°, 56%, 77%
XYZ	29.4172, 43.8060, 37.0361
YIQ	158.5070, -51.1610, -36.4810

Conversions

Conversions Part 2

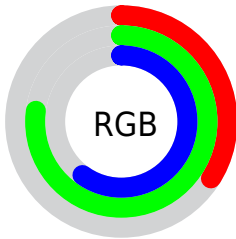
Format	Color
RYB	87, 155, 196
Decimal	5751961
CIELab	72.10, -41.52, 12.28
CIELCh	72, 43.301, 163.520
Yxy	43.8060, 0.2668, 0.3973
Android (android.graphics.Color)	4283942041 (0xFF57C499)
YUV	158.5070, -2.7150, -62.7116
Hunter-Lab	66.1861, -36.4893, 13.1531

Details

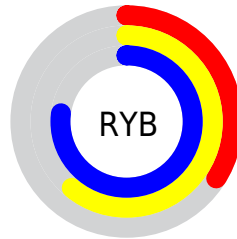
The Yxy color **43.8060, 0.2668, 0.3973** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.1602, 0.4094, 0.2733**, and the grayscale version is **34.4616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7753, 0.2760, 0.3839**, and **20.1024, 0.2521, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **42.7420, 0.2625, 0.4123**, and if you desaturate by 10%, it is **45.1461, 0.2728, 0.3829**.

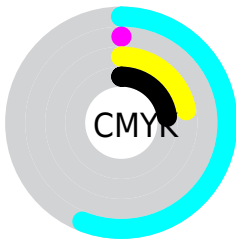
Distribution



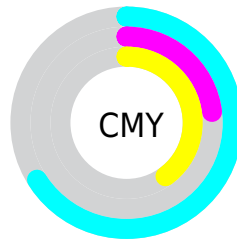
- Red (34%)
- Green (77%)
- Blue (60%)



- Red (34%)
- Yellow (61%)
- Blue (77%)



- Cyan (56%)
- Magenta (0%)
- Yellow (22%)
- Black (23%)




- Cyan (66%)
- Magenta (23%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8060, 0.2668, 0.3973 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 43.8060, 0.2668, 0.3973 by changing the saturation by 10% instead.


 43.8060, 0.2668,
0.3973

 43.8060, 0.2668,
0.3973


361.9160, 0.2906,
0.3613


 30.5180, 0.2606,
0.4069


 80.9257, 0.2757,
0.3838

 20.2321, 0.2524,
0.4196


 105.5263, 0.2789,
0.3788

 12.5639, 0.2412,
0.4372

 134.6665, 0.2817,
0.3747

 7.1289, 0.2251,
0.4631

 168.7307, 0.2840,
0.3712

 3.5429, 0.2001,
0.5047

208.1034, 0.2860,
0.3682

 1.4213, 0.1138,
0.6233

253.1689, 0.2878,

 0.2323, 0.0000,

0.3656

1.0000

304.3117, 0.2893,
0.3633

0.0000, 0.0000,
0.0000

43.8060, 0.2668,
0.3973

43.8060, 0.2668,
0.3973

42.7420, 0.2625,
0.4123

45.1461, 0.2728,
0.3829

41.9273, 0.2601,
0.4276

46.7763, 0.2801,
0.3692

41.3386, 0.2597,
0.4430

48.7157, 0.2885,
0.3566

40.9451, 0.2613,
0.4579

50.9804, 0.2976,
0.3450

40.8074, 0.2623,
0.4644

53.5852, 0.3072,
0.3344

■ 56.5440, 0.3170,
0.3250

■ 59.8700, 0.3269,
0.3166

■ 63.5757, 0.3367,
0.3092

■ 66.0489, 0.3396,
0.3021

Harmonies

Analogous

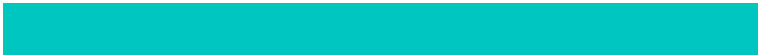
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8060, 0.3251, 0.4372



43.8060, 0.2668, 0.3973



43.8060, 0.2235, 0.3345

Triad

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



43.8060, 0.2668, 0.3973



43.8060, 0.2394, 0.2327



43.8060, 0.4352, 0.3608

Complementary

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



43.8060, 0.2668, 0.3973



20.1602, 0.4094, 0.2733

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.



43.8060, 0.4087, 0.3137



43.8060, 0.2668, 0.3973



43.8060, 0.2904, 0.2436

Square

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



43.8060, 0.2668, 0.3973



43.8060, 0.2096, 0.2434



43.8060, 0.3533, 0.2723



43.8060, 0.4245, 0.4059

Rectangle

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



43.8060, 0.2668, 0.3973



43.8060, 0.2076, 0.2948



43.8060, 0.3533, 0.2723



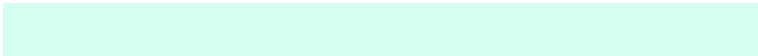
43.8060, 0.4305, 0.3449

Sweetspot

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



43.8078, 0.2668, 0.3973



91.6320, 0.2961, 0.3468



44.9633, 0.3351, 0.4899



19.4277, 0.2942, 0.3491



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.



43.8078, 0.2668, 0.3973



77.0250, 0.2618, 0.4160



40.7523, 0.2396, 0.3124



11.3590, 0.3036, 0.3382



26.2356, 0.2618, 0.4623



1.1468, 0.2525, 0.4291

Inverse Universe

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



20.1602, 0.4094, 0.2733



29.8765, 0.4446, 0.2654



21.1366, 0.4686, 0.3434



10.1422, 0.3228, 0.3199



7.9039, 0.5375, 0.2734



0.3551, 0.4781, 0.2407

Previews

White Background



This preview shows how the Yxy color 43.8060, 0.2668, 0.3973 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 43.8060, 0.2668, 0.3973 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 43.8060, 0.2668, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 43.8060, 0.2668, 0.3973.



This preview shows how white text looks on a background with the Yxy color 43.8060, 0.2668, 0.3973.

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

43.8060, 0.2668, 0.3973

Protanopia

43.0822, 0.3501, 0.3721

Deuteranopia

43.0213, 0.3497, 0.3420



Tritanopia

43.6384, 0.2442, 0.3072

Trichromacy



Original Color

43.8060, 0.2668, 0.3973



Protanomaly

42.4576, 0.3127, 0.3818



Deuteranomaly

41.9436, 0.3121, 0.3606



Tritanomaly

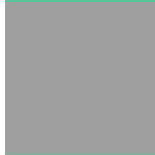
43.7434, 0.2524, 0.3393

Monochromacy



Original Color

43.8060, 0.2668, 0.3973



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.9259, 0.2910, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8060, 0.2668, 0.3973 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(87, 196, 153)` looks like.

```
.text, #text, p{  
    color:rgb(87, 196, 153)  
}
```

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(87, 196, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 196, 153) }
```

Border

The CSS property to change the border of an element to Yxy 43.8060, 0.2668, 0.3973 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(87, 196, 153) }
```

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

```
.border{ border-color:rgb(87, 196, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 196, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 196, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 196, 153);  
box-shadow:4px 4px 4px 4px rgb(87, 196,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8060, 0.2668, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 196, 153) }
```

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

```
.background{ background-color: rgb(87, 196,  
153) }
```

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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