

Converting Colors

$Y_{xy}(51.8244, 0.2588, 0.3840)$

Have a look what the booklet for
Yxy(51.8244, 0.2588, 0.3840)
contains.

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Color

Yxy(51.6708, 0.2588, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	57D3AE
RGB	87, 211, 174
RGB Percent	34%, 83%, 68%
CMY	0.6590, 0.1725, 0.3177
CMYK	0.59, 0.00, 0.18, 0.17
HSL	162°, 59%, 58%
HSV	162°, 59%, 83%
XYZ	34.8603, 51.6708, 48.1686
YIQ	169.7060, -62.0270, -37.7950

Conversions

Conversions Part 2

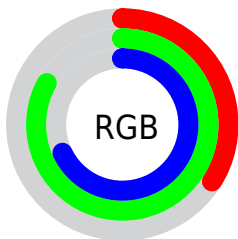
Format	Color
RYB	87, 160, 211
Decimal	5755822
CIELab	77.08, -43.32, 8.10
CIELCh	77, 44.068, 169.414
Yxy	51.6708, 0.2588, 0.3836
Android (android.graphics.Color)	4283945902 (0xFF57D3AE)
YUV	169.7060, 2.1169, -72.5332
Hunter-Lab	71.8824, -39.2284, 10.5873

Details

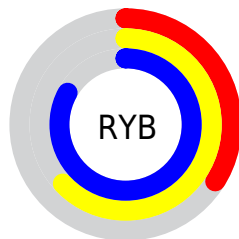
The Yxy color **51.6708, 0.2588, 0.3836** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **22.1162, 0.4371, 0.2851**, and the grayscale version is **40.0526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3802, 0.2666, 0.3590**, and **25.1821, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **50.5619, 0.2543, 0.3948**, and if you desaturate by 10%, it is **53.0921, 0.2651, 0.3727**.

Distribution



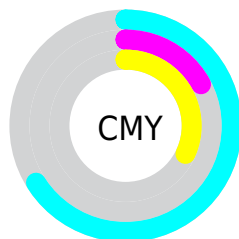
- Red (34%)
- Green (83%)
- Blue (68%)



- Red (34%)
- Yellow (63%)
- Blue (83%)



- Cyan (59%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)





- Cyan (66%)
- Magenta (17%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6708, 0.2588, 0.3836 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 51.6708, 0.2588, 0.3836 by changing the saturation by 10% instead.


 51.6708, 0.2588,
0.3836


 51.6708, 0.2588,
0.3836


393.1644, 0.2856,
0.3559

 36.7427, 0.2522,
0.3906


 92.6456, 0.2685,
0.3735

 25.0084, 0.2437,
0.3997


 119.4611, 0.2721,
0.3697

 16.0833, 0.2326,
0.4118


 151.0078, 0.2752,
0.3665

 9.5831, 0.2172,
0.4290

 187.6702, 0.2779,
0.3638

 5.1234, 0.1949,
0.4548

229.8327, 0.2802,
0.3614

 2.3199, 0.1590,
0.4983

277.8796, 0.2822,

 0.7842, 0.0000,

0.3593

0.7315

332.1954, 0.2840,
0.3575

■ 0.0000, 0.0000,
0.0000

■ 51.6708, 0.2588,
0.3836

■ 51.6708, 0.2588,
0.3836

■ 50.5619, 0.2543,
0.3948

■ 53.0921, 0.2651,
0.3727

■ 49.7323, 0.2518,
0.4062

■ 54.8431, 0.2729,
0.3624

■ 49.1525, 0.2514,
0.4176

■ 56.9474, 0.2820,
0.3527

■ 48.7726, 0.2526,
0.4288

■ 59.4243, 0.2921,
0.3437

■ 48.7317, 0.2528,
0.4301

■ 62.2918, 0.3029,
0.3355

■ 65.5669, 0.3141,
0.3281

■ 69.2653, 0.3255,
0.3215

■ 73.2552, 0.3362,
0.3156

■ 73.6041, 0.3317,
0.3094

Harmonies

Analogous

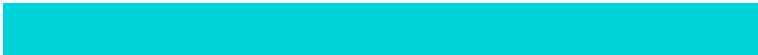
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.6708, 0.3134, 0.4282



51.6708, 0.2588, 0.3836



51.6708, 0.2209, 0.3226

Triad

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



51.6708, 0.2588, 0.3836



51.6708, 0.2501, 0.2363



51.6708, 0.4316, 0.3691

Complementary

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



51.6708, 0.2588, 0.3836



22.1162, 0.4371, 0.2851

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.



51.6708, 0.4128, 0.3231



51.6708, 0.2588, 0.3836



51.6708, 0.3028, 0.2505

Square

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



51.6708, 0.2588, 0.3836



51.6708, 0.2168, 0.2425



51.6708, 0.3637, 0.2813



51.6708, 0.4148, 0.4110

Rectangle

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



51.6708, 0.2588, 0.3836



51.6708, 0.2086, 0.2864



51.6708, 0.3637, 0.2813



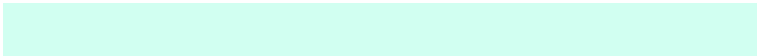
51.6708, 0.4294, 0.3538

Sweetspot

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



51.6728, 0.2588, 0.3836



91.4586, 0.2927, 0.3432



51.5791, 0.3265, 0.5050



19.3212, 0.2897, 0.3458



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.



51.6728, 0.2588, 0.3836



77.1886, 0.2534, 0.3982



41.9306, 0.2325, 0.2928



13.3444, 0.3022, 0.3360



29.4255, 0.2523, 0.4284



1.6589, 0.2466, 0.4079

Inverse Universe

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



22.1162, 0.4371, 0.2851



27.7094, 0.4828, 0.2812



26.0764, 0.4728, 0.3589



11.8655, 0.3244, 0.3221



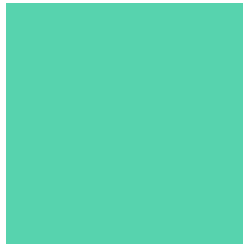
8.5902, 0.5751, 0.2942



0.4943, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 51.6708, 0.2588, 0.3836 looks on a white background.

Color Contrast Check

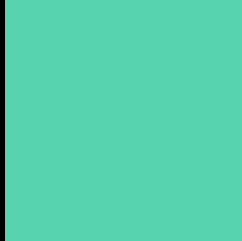
Large Text (above 18pt) WCAG AA × Fail

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 51.6708, 0.2588, 0.3836 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

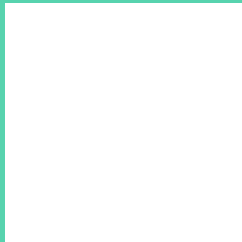
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.6708, 0.2588, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 51.6708, 0.2588, 0.3836.

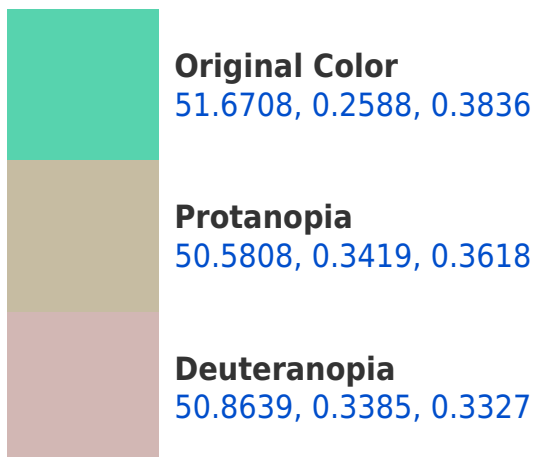


This preview shows how white text looks on a background with the Yxy color 51.6708, 0.2588, 0.3836.

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

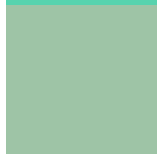
51.3492, 0.2403, 0.3058

Trichromacy



Original Color

51.6708, 0.2588, 0.3836



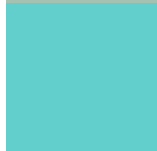
Protanomaly

49.5021, 0.3046, 0.3702



Deuteranomaly

49.3536, 0.3015, 0.3491



Tritanomaly

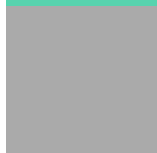
51.5820, 0.2469, 0.3330

Monochromacy



Original Color

51.6708, 0.2588, 0.3836



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.2136, 0.2870, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6708, 0.2588, 0.3836 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, 211, 174)` looks like.

```
.text, #text, p{  
    color:rgb(87, 211, 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(87, 211, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 211, 174) }
```

Border

The CSS property to change the border of an element to Yxy 51.6708, 0.2588, 0.3836 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, 211, 174) }
```

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

```
.border{ border-color:rgb(87, 211, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 211, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 211, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 211, 174);  
box-shadow:4px 4px 4px 4px rgb(87, 211,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6708, 0.2588, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 211, 174) }
```

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

```
.background{ background-color: rgb(87, 211,  
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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