

Converting Colors

$Y_{xy}(59.0653, 0.2550, 0.3810)$

Have a look what the booklet for
Yxy(59.0653, 0.2550, 0.3810)
contains.

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Color

Yxy(58.8305, 0.2548, 0.3808)

Conversions

Conversions Part 1

Format	Color
Hex	55E0BB
RGB	85, 224, 187
RGB Percent	33%, 88%, 73%
CMY	0.6671, 0.1215, 0.2666
CMYK	0.62, 0.00, 0.17, 0.12
HSL	164°, 69%, 61%
HSV	164°, 62%, 88%
XYZ	39.3645, 58.8305, 56.2968
YIQ	178.2210, -70.9670, -40.9750

Conversions

Conversions Part 2

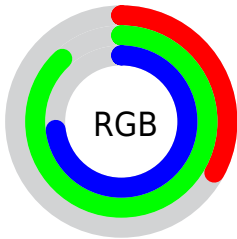
Format	Color
RYB	85, 165, 224
Decimal	5628091
CIELab	81.20, -46.26, 7.06
CIELCh	81, 46.794, 171.322
Yxy	58.8305, 0.2548, 0.3808
Android (android.graphics.Color)	4283818171 (0xFF55E0BB)
YUV	178.2210, 4.3280, -81.7548
Hunter-Lab	76.7010, -42.6170, 10.1732

Details

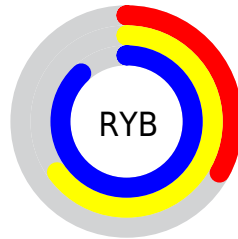
The Yxy color **58.8305, 0.2548, 0.3808** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **23.7324, 0.4561, 0.2887**, and the grayscale version is **44.6352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1941, 0.2602, 0.3425**, and **29.7265, 0.2429, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **57.6966, 0.2508, 0.3908**, and if you desaturate by 10%, it is **60.3112, 0.2608, 0.3711**.

Distribution



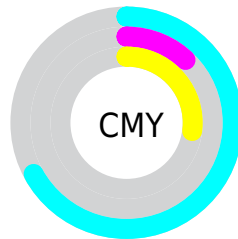
- Red (33%)
- Green (88%)
- Blue (73%)



- Red (33%)
- Yellow (65%)
- Blue (88%)



- Cyan (62%)
- Magenta (0%)
- Yellow (17%)
- Black (12%)





- Cyan (67%)
- Magenta (12%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8305, 0.2548, 0.3808 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 58.8305, 0.2548, 0.3808 by changing the saturation by 10% instead.

 58.8305, 0.2548,
0.3808

 58.8305, 0.2548,
0.3808


420.2735, 0.2828,
0.3552

 42.4767, 0.2481,
0.3871


 103.1313, 0.2648,
0.3716


 29.4747, 0.2397,
0.3951


 131.8470, 0.2686,
0.3681

 19.4402, 0.2287,
0.4056


 165.4522, 0.2718,
0.3651

 11.9888, 0.2140,
0.4200

 204.3312, 0.2746,
0.3626

 6.7361, 0.1933,
0.4410

248.8685, 0.2771,
0.3604

 3.2976, 0.1623,
0.4740

299.4483, 0.2792,

 1.2890, 0.0224,

0.3585

0.5874

356.4552, 0.2811,
0.3567

■ 0.1327, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8305, 0.2548,
0.3808

■ 58.8305, 0.2548,
0.3808

■ 57.6966, 0.2508,
0.3908

■ 60.3112, 0.2608,
0.3711

■ 56.8699, 0.2487,
0.4008


■ 62.1602, 0.2684,
0.3617


■ 56.3134, 0.2486,
0.4109


■ 64.4053, 0.2775,
0.3529


■ 56.0140, 0.2496,
0.4187


■ 67.0697, 0.2877,
0.3447

 70.1746, 0.2987,
0.3372

 73.7401, 0.3102,
0.3304

 77.7846, 0.3221,
0.3242

 80.5579, 0.3275,
0.3185

 80.9075, 0.3235,
0.3127

Harmonies

Analogous

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



58.8305, 0.3095, 0.4282



58.8305, 0.2548, 0.3808



58.8305, 0.2178, 0.3186

Triad

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



58.8305, 0.2548, 0.3808



58.8305, 0.2520, 0.2353



58.8305, 0.4335, 0.3725

Complementary

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



58.8305, 0.2548, 0.3808



23.7324, 0.4561, 0.2887

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.



58.8305, 0.4168, 0.3259



58.8305, 0.2548, 0.3808



58.8305, 0.3065, 0.2509

Square

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



58.8305, 0.2548, 0.3808



58.8305, 0.2168, 0.2401



58.8305, 0.3683, 0.2830



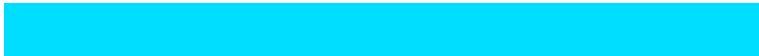
58.8305, 0.4142, 0.4145

Rectangle

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



58.8305, 0.2548, 0.3808



58.8305, 0.2065, 0.2825



58.8305, 0.3683, 0.2830



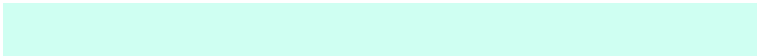
58.8305, 0.4321, 0.3570

Sweetspot

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



58.8328, 0.2548, 0.3808



91.1382, 0.2908, 0.3424



58.1096, 0.3234, 0.5174



19.2634, 0.2877, 0.3447



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.



58.8328, 0.2548, 0.3808



76.9673, 0.2498, 0.3942



44.8117, 0.2274, 0.2835



15.5068, 0.3017, 0.3353



32.6199, 0.2492, 0.4172



2.2756, 0.2450, 0.4018

Inverse Universe

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



23.7324, 0.4561, 0.2887



26.1278, 0.5071, 0.2872



29.3091, 0.4831, 0.3651



13.7601, 0.3250, 0.3228



9.4279, 0.5870, 0.3007



0.6681, 0.5429, 0.2764

Previews

White Background



This preview shows how the Yxy color 58.8305, 0.2548, 0.3808 looks on a white background.

Color Contrast Check

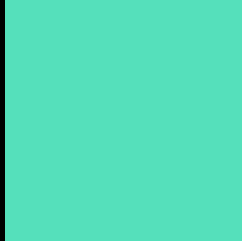
Large Text (above 18pt) WCAG AA × Fail

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 58.8305, 0.2548, 0.3808 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

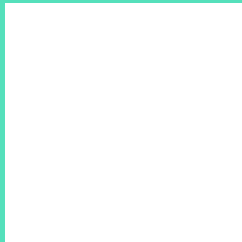
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8305, 0.2548, 0.3808

Background



This preview shows how black text looks on a background with the Yxy color 58.8305, 0.2548, 0.3808.

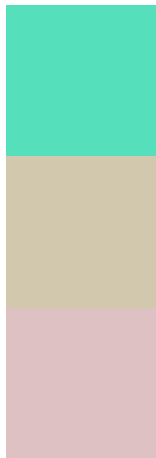


This preview shows how white text looks on a background with the Yxy color 58.8305, 0.2548, 0.3808.

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

58.8305, 0.2548, 0.3808

Protanopia

58.0662, 0.3402, 0.3600

Deuteranopia

57.5646, 0.3357, 0.3279



Tritanopia

58.5074, 0.2372, 0.3057

Trichromacy



Original Color

58.8305, 0.2548, 0.3808



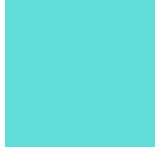
Protanomaly

56.8549, 0.3007, 0.3680



Deuteranomaly

55.7180, 0.2978, 0.3456



Tritanomaly

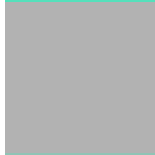
58.7352, 0.2431, 0.3315

Monochromacy



Original Color

58.8305, 0.2548, 0.3808



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

48.2957, 0.2839, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8305, 0.2548, 0.3808 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(85, 224, 187)` looks like.

```
.text, #text, p{  
    color:rgb(85, 224, 187)  
}
```

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(85, 224, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 224, 187) }
```

Border

The CSS property to change the border of an element to Yxy 58.8305, 0.2548, 0.3808 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(85, 224, 187) }
```

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

```
.border{ border-color:rgb(85, 224, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 224, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 224, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 224, 187);  
box-shadow:4px 4px 4px 4px rgb(85, 224,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8305, 0.2548, 0.3808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 224, 187) }
```

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

```
.background{ background-color: rgb(85, 224,  
187) }
```

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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