

Converting Colors

$Yxy(52.5007, 0.2550, 0.3839)$

Have a look what the booklet for
Yxy(52.5007, 0.2550, 0.3839)
contains.

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Color

Yxy(52.3428, 0.2548, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	4ED5B0
RGB	78, 213, 176
RGB Percent	31%, 84%, 69%
CMY	0.6944, 0.1647, 0.3098
CMYK	0.63, 0.00, 0.17, 0.16
HSL	164°, 62%, 57%
HSV	164°, 63%, 84%
XYZ	34.7678, 52.3428, 49.3409
YIQ	168.4170, -68.5830, -40.1270

Conversions

Conversions Part 2

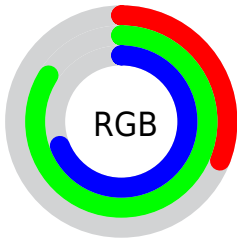
Format	Color
RYB	78, 156, 213
Decimal	5166512
CIELab	77.49, -45.37, 7.56
CIELCh	77, 45.992, 170.536
Yxy	52.3428, 0.2548, 0.3836
Android (android.graphics.Color)	4283356592 (0xFF4ED5B0)
YUV	168.4170, 3.7384, -79.2957
Hunter-Lab	72.3483, -40.8293, 10.2086

Details

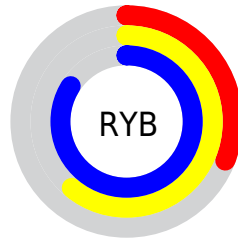
The Yxy color **52.3428, 0.2548, 0.3836** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.8241, 0.4584, 0.2870**, and the grayscale version is **39.3725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9216, 0.2622, 0.3556**, and **25.5692, 0.2436, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **51.3609, 0.2510, 0.3939**, and if you desaturate by 10%, it is **53.6300, 0.2605, 0.3735**.

Distribution



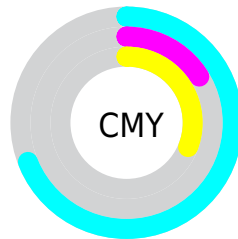
- Red (31%)
- Green (84%)
- Blue (69%)



- Red (31%)
- Yellow (61%)
- Blue (84%)



- Cyan (63%)
- Magenta (0%)
- Yellow (17%)
- Black (16%)





- Cyan (69%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3428, 0.2548, 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 52.3428, 0.2548, 0.3836 by changing the saturation by 10% instead.


 52.3428, 0.2548,
0.3836

 52.3428, 0.2548,
0.3836


395.7586, 0.2834,
0.3560

 37.2784, 0.2478,
0.3906


 93.6366, 0.2651,
0.3735

 25.4231, 0.2388,
0.3995


 120.6348, 0.2690,
0.3698

 16.3926, 0.2271,
0.4115

 152.3797, 0.2723,
0.3666

 9.8024, 0.2109,
0.4283

 189.2557, 0.2752,
0.3639

 5.2681, 0.1877,
0.4534

231.6472, 0.2777,
0.3615

 2.4054, 0.1508,
0.4953

279.9385, 0.2798,

 0.8287, 0.0000,

0.3595

0.6893

334.5142, 0.2817,
0.3576

0.0000, 0.0000,
0.0000

52.3428, 0.2548,
0.3836

52.3428, 0.2548,
0.3836

51.3609, 0.2510,
0.3939

53.6300, 0.2605,
0.3735

50.6486, 0.2493,
0.4043

55.2417, 0.2678,
0.3639


50.1724, 0.2495,
0.4146


57.2030, 0.2766,
0.3548

49.9478, 0.2504,
0.4213

59.5344, 0.2866,
0.3462

62.2550, 0.2974,
0.3384

 65.3826, 0.3088,
0.3313

 68.9337, 0.3204,
0.3249

 72.9242, 0.3322,
0.3191

 74.4844, 0.3330,
0.3135

Harmonies

Analogous

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



52.3428, 0.3109, 0.4314



52.3428, 0.2548, 0.3836



52.3428, 0.2166, 0.3198

Triad

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



52.3428, 0.2548, 0.3836



52.3428, 0.2495, 0.2334



52.3428, 0.4361, 0.3719

Complementary

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



52.3428, 0.2548, 0.3836



20.8241, 0.4584, 0.2870

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.



52.3428, 0.4182, 0.3244



52.3428, 0.2548, 0.3836



52.3428, 0.3046, 0.2488

Square

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



52.3428, 0.2548, 0.3836



52.3428, 0.2143, 0.2387



52.3428, 0.3679, 0.2810



52.3428, 0.4172, 0.4151

Rectangle

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



52.3428, 0.2548, 0.3836



52.3428, 0.2046, 0.2827



52.3428, 0.3679, 0.2810



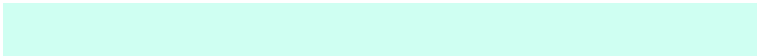
52.3428, 0.4344, 0.3561

Sweetspot

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



52.3449, 0.2548, 0.3836



91.1148, 0.2911, 0.3428



51.8699, 0.3247, 0.5199



19.2577, 0.2880, 0.3452



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.



52.3449, 0.2548, 0.3836



76.7775, 0.2502, 0.3974



40.5964, 0.2271, 0.2860



14.0471, 0.3019, 0.3355



30.5252, 0.2500, 0.4198



1.8547, 0.2450, 0.4021

Inverse Universe

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



20.8241, 0.4584, 0.2870



25.8409, 0.5086, 0.2859



25.2545, 0.4897, 0.3627



12.4762, 0.3248, 0.3226



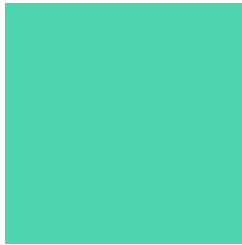
8.8449, 0.5838, 0.2990



0.5474, 0.5338, 0.2714

Previews

White Background



This preview shows how the Yxy color 52.3428, 0.2548, 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 52.3428, 0.2548, 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

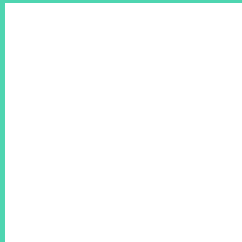
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.3428, 0.2548, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 52.3428, 0.2548, 0.3836.

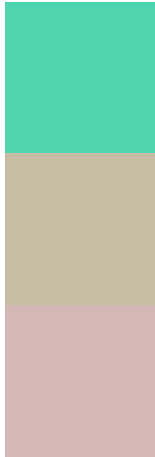


This preview shows how white text looks on a background with the Yxy color 52.3428, 0.2548, 0.3836.

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



Original Color

52.3428, 0.2548, 0.3836

Protanopia

51.2176, 0.3409, 0.3604

Deuteranopia

51.5073, 0.3375, 0.3315



Tritanopia

52.0117, 0.2371, 0.3058

Trichromacy



Original Color

52.3428, 0.2548, 0.3836



Protanomaly

50.1839, 0.3009, 0.3702



Deuteranomaly

50.1120, 0.2985, 0.3491



Tritanomaly

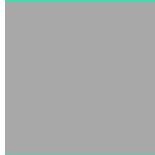
52.2308, 0.2433, 0.3330

Monochromacy



Original Color

52.3428, 0.2548, 0.3836



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

42.3722, 0.2832, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3428, 0.2548, 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(78, 213, 176)` looks like.

```
.text, #text, p{  
    color:rgb(78, 213, 176)  
}
```

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(78, 213, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 213, 176) }
```

Border

The CSS property to change the border of an element to Yxy 52.3428, 0.2548, 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(78, 213, 176) }
```

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

```
.border{ border-color:rgb(78, 213, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 213, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 213, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 213, 176);  
box-shadow:4px 4px 4px 4px rgb(78, 213,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3428, 0.2548, 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(78, 213, 176) }
```

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

```
.background{ background-color: rgb(78, 213,  
176) }
```

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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