

Converting Colors

Yxy(51.9499, 0.2539, 0.4080)

Have a look what the booklet for
Yxy(51.9499, 0.2539, 0.4080)
contains.

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Color

Yxy(51.9753, 0.2540, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	34D7A3
RGB	52, 215, 163
RGB Percent	20%, 84%, 64%
CMY	0.7956, 0.1569, 0.3607
CMYK	0.76, 0.00, 0.24, 0.16
HSL	161°, 67%, 52%
HSV	161°, 76%, 84%
XYZ	32.3334, 51.9753, 42.9881
YIQ	160.3350, -80.4560, -50.7280

Conversions

Conversions Part 2

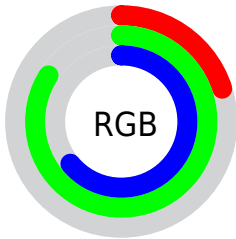
Format	Color
R _{YB}	52, 149, 215
Decimal	3463075
CIE Lab	77.27, -52.97, 14.08
CIE LCh	77, 54.810, 165.112
Yxy	51.9753, 0.2540, 0.4083
Android (android.graphics.Color)	4281653155 (0xFF34D7A3)
YUV	160.3350, 1.3138, -95.0098
Hunter-Lab	72.0939, -46.1088, 15.1123

Details

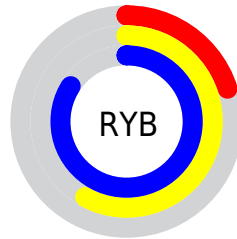
The Yxy color **51.9753, 0.2540, 0.4083** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.9148, 0.4918, 0.2774**, and the grayscale version is **35.3557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7929, 0.2616, 0.3735**, and **25.9440, 0.2525, 0.4292** is the 20% darker color. If you saturate the color by 10%, you get **51.2902, 0.2531, 0.4206**, and if you desaturate by 10%, it is **52.9376, 0.2569, 0.3961**.

Distribution



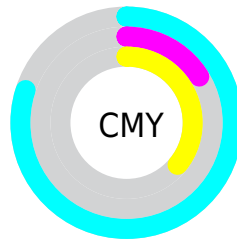
- Red (20%)
- Green (84%)
- Blue (64%)



- Red (20%)
- Yellow (58%)
- Blue (84%)



- Cyan (76%)
- Magenta (0%)
- Yellow (24%)
- Black (16%)





- Cyan (80%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9753, 0.2540, 0.4083 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 51.9753, 0.2540, 0.4083 by changing the saturation by 10% instead.


 51.9753, 0.2540,
0.4083

 51.9753, 0.2540,
0.4083


394.3412, 0.2836,
0.3675

 36.9854, 0.2466,
0.4188


 93.0948, 0.2648,
0.3932


 25.1962, 0.2370,
0.4326


 119.9932, 0.2688,
0.3876


 16.2233, 0.2243,
0.4512


 151.6299, 0.2723,
0.3829

 9.6823, 0.2067,
0.4777

 188.3892, 0.2752,
0.3789

 5.1888, 0.1807,
0.5181

 230.6556, 0.2777,
0.3754

 2.3585, 0.1314,
0.5918

278.8135, 0.2799,

 0.8044, 0.0000,

0.3724

1.0000

333.2473, 0.2819,
0.3698

■ 0.0000, 0.0000,
0.0000

■ 51.9753, 0.2540,
0.4083

■ 51.9753, 0.2540,
0.4083

■ 51.2902, 0.2531,
0.4206

■ 52.9376, 0.2569,
0.3961

■ 50.8373, 0.2542,
0.4327

■ 54.2024, 0.2618,
0.3841

■ 50.6864, 0.2549,
0.4378

■ 55.7987, 0.2684,
0.3725

■ 57.7505, 0.2764,
0.3616

■ 60.0796, 0.2857,
0.3514

■ 62.8057, 0.2958,
0.3421

■ 65.9476, 0.3064,
0.3335

■ 69.5223, 0.3174,
0.3258

■ 73.5464, 0.3285,
0.3190

Harmonies

Analogous

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



51.9753, 0.3218, 0.4592



51.9753, 0.2540, 0.4083



51.9753, 0.2055, 0.3302

Triad

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



51.9753, 0.2540, 0.4083



51.9753, 0.2289, 0.2168



51.9753, 0.4591, 0.3667

Complementary

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



51.9753, 0.2540, 0.4083



17.9148, 0.4918, 0.2774

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.



51.9753, 0.4303, 0.3124



51.9753, 0.2540, 0.4083



51.9753, 0.2893, 0.2308

Square

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



51.9753, 0.2540, 0.4083



51.9753, 0.1936, 0.2266



51.9753, 0.3647, 0.2647



51.9753, 0.4424, 0.4198

Rectangle

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



51.9753, 0.2540, 0.4083



51.9753, 0.1889, 0.2833



51.9753, 0.3647, 0.2647



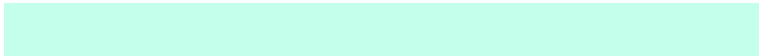
51.9753, 0.4546, 0.3483

Sweetspot

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



51.9773, 0.2540, 0.4083



89.3754, 0.2882, 0.3490



51.9375, 0.3271, 0.5495



18.8367, 0.2846, 0.3525



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.



51.9773, 0.2540, 0.4083



75.0358, 0.2535, 0.4280



41.5420, 0.2200, 0.2888



14.0373, 0.3025, 0.3365



30.3379, 0.2544, 0.4359



1.8446, 0.2487, 0.4151

Inverse Universe

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



17.9148, 0.4918, 0.2774



22.7338, 0.5474, 0.2848



20.3262, 0.5489, 0.3546



12.4855, 0.3241, 0.3216



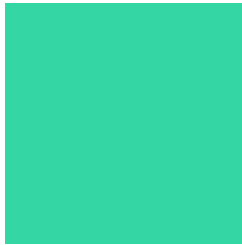
8.9123, 0.5679, 0.2902



0.5524, 0.5185, 0.2630

Previews

White Background



This preview shows how the Yxy color 51.9753, 0.2540, 0.4083 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 51.9753, 0.2540, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

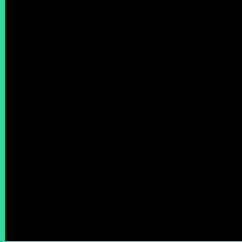
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

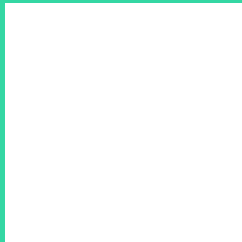
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9753, 0.2540, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 51.9753, 0.2540, 0.4083.



This preview shows how white text looks on a background with the Yxy color 51.9753, 0.2540, 0.4083.

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

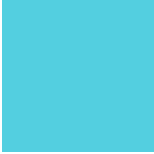
51.9753, 0.2540, 0.4083

Protanopia

51.0147, 0.3540, 0.3779

Deuteranopia

50.6543, 0.3507, 0.3435



Tritanopia

51.8465, 0.2319, 0.3056

Trichromacy



Original Color

51.9753, 0.2540, 0.4083



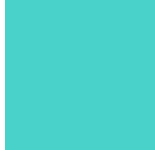
Protanomaly

48.9578, 0.3038, 0.3899



Deuteranomaly

48.3422, 0.3016, 0.3665



Tritanomaly

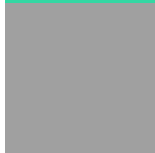
51.7352, 0.2392, 0.3402

Monochromacy



Original Color

51.9753, 0.2540, 0.4083



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.2807, 0.2795, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9753, 0.2540, 0.4083 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(52, 215, 163)` looks like.

```
.text, #text, p{  
  color:rgb(52, 215, 163)  
}
```

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(52, 215, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 215, 163) }
```

Border

The CSS property to change the border of an element to Yxy 51.9753, 0.2540, 0.4083 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(52, 215, 163) }
```

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

```
.border{ border-color:rgb(52, 215, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 215, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 215, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 215, 163);  
box-shadow:4px 4px 4px 4px rgb(52, 215,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9753, 0.2540, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 215, 163) }
```

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

```
.background{ background-color: rgb(52, 215,  
163) }
```

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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