

Converting Colors

$Y_{xy}(50.8532, 0.2532, 0.3940)$

Have a look what the booklet for
Yxy(50.8532, 0.2532, 0.3940)
contains.

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Color

$\text{Yxy}(51.0083, 0.2531, 0.3941)$

Conversions

Conversions Part 1

Format	Color
Hex	3FD4A9
RGB	63, 212, 169
RGB Percent	25%, 83%, 66%
CMY	0.7527, 0.1686, 0.3372
CMYK	0.70, 0.00, 0.20, 0.17
HSL	163°, 63%, 54%
HSV	163°, 70%, 83%
XYZ	32.7587, 51.0083, 45.6628
YIQ	162.5470, -75.0010, -44.9610

Conversions

Conversions Part 2

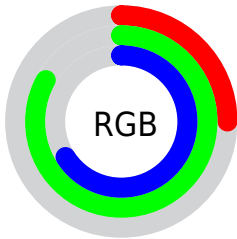
Format	Color
RYB	63, 150, 212
Decimal	4183209
CIELab	76.68, -48.94, 10.10
CIELCh	77, 49.968, 168.342
Yxy	51.0083, 0.2531, 0.3941
Android (android.graphics.Color)	4282373289 (0xFF3FD4A9)
YUV	162.5470, 3.1813, -87.3027
Hunter-Lab	71.4201, -43.1115, 12.0867

Details

The Yxy color **51.0083, 0.2531, 0.3941** 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 **18.6003, 0.4799, 0.2831**, and the grayscale version is **36.4219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5689, 0.2613, 0.3657**, and **25.0613, 0.2474, 0.4106** is the 20% darker color. If you saturate the color by 10%, you get **50.2163, 0.2508, 0.4051**, and if you desaturate by 10%, it is **52.0837, 0.2574, 0.3833**.

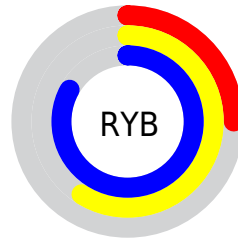
Distribution



Red (25%)

Green (83%)

Blue (66%)



Red (25%)

Yellow (59%)

Blue (83%)

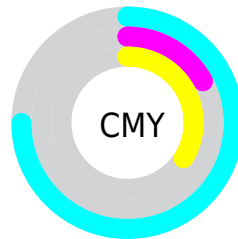


Cyan (70%)

Magenta (0%)

Yellow (20%)

Black (17%)



Cyan (75%)

Magenta (17%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0083, 0.2531, 0.3941 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 51.0083, 0.2531, 0.3941 by changing the saturation by 10% instead.


 51.0083, 0.2531,
0.3941


 51.0083, 0.2531,
0.3941

390.5960, 0.2829,
0.3608


 36.2152, 0.2457,
0.4026


 91.6670, 0.2639,
0.3818


 24.6005, 0.2362,
0.4137


 118.3015, 0.2680,
0.3773

 15.7796, 0.2237,
0.4286


 149.6518, 0.2714,
0.3735

 9.3684, 0.2064,
0.4497

 186.1025, 0.2744,
0.3702

 4.9822, 0.1811,
0.4819

 228.0378, 0.2769,
0.3674

 2.2368, 0.1353,
0.5397

275.8423, 0.2792,


 0.7400, 0.0000,


0.3649


0.8812

329.9002, 0.2811,
0.3627


 0.0000, 0.0000,
0.0000


 51.0083, 0.2531,
0.3941


 51.0083, 0.2531,
0.3941


 50.2163, 0.2508,
0.4051


 52.0837, 0.2574,
0.3833


 49.6689, 0.2505,
0.4160


 53.4642, 0.2635,
0.3727

 49.3147, 0.2518,
0.4265


 55.1762, 0.2712,
0.3627


 57.2414, 0.2802,
0.3532

 59.6799, 0.2903,
0.3445

 62.5100, 0.3011,
0.3364

 65.7490, 0.3124,
0.3292

 69.4129, 0.3239,
0.3227

 73.5171, 0.3355,
0.3169

Harmonies

Analogous

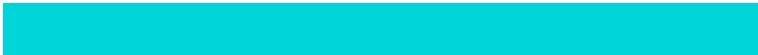
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0083, 0.3148, 0.4446



51.0083, 0.2531, 0.3941



51.0083, 0.2103, 0.3233

Triad

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



51.0083, 0.2531, 0.3941



51.0083, 0.2403, 0.2251



51.0083, 0.4477, 0.3707

Complementary

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



51.0083, 0.2531, 0.3941



18.6003, 0.4799, 0.2831

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.



51.0083, 0.4253, 0.3196



51.0083, 0.2531, 0.3941



51.0083, 0.2986, 0.2403

Square

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



51.0083, 0.2531, 0.3941



51.0083, 0.2044, 0.2322



51.0083, 0.3680, 0.2738



51.0083, 0.4290, 0.4188

Rectangle

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



51.0083, 0.2531, 0.3941



51.0083, 0.1964, 0.2816



51.0083, 0.3680, 0.2738



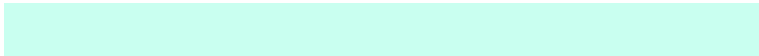
51.0083, 0.4449, 0.3535

Sweetspot

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



51.0103, 0.2531, 0.3941



90.2643, 0.2893, 0.3453



50.6179, 0.3252, 0.5380



19.0899, 0.2864, 0.3477



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.



51.0103, 0.2531, 0.3941



75.8458, 0.2505, 0.4102



39.3548, 0.2220, 0.2845



14.0439, 0.3021, 0.3358



30.4631, 0.2514, 0.4250



1.8514, 0.2462, 0.4063

Inverse Universe

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



18.6003, 0.4799, 0.2831



23.8036, 0.5341, 0.2860



22.1588, 0.5203, 0.3608



12.4792, 0.3246, 0.3223



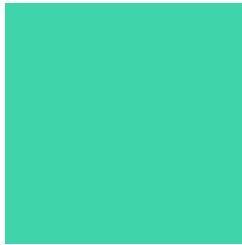
8.8654, 0.5789, 0.2962



0.5490, 0.5289, 0.2687

Previews

White Background



This preview shows how the Yxy color 51.0083, 0.2531, 0.3941 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 51.0083, 0.2531, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

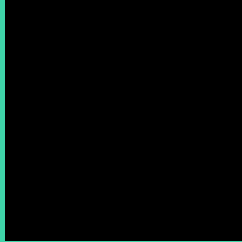
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

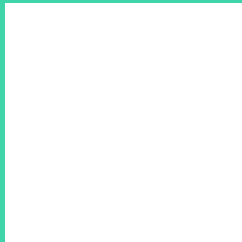
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0083, 0.2531, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 51.0083, 0.2531, 0.3941.

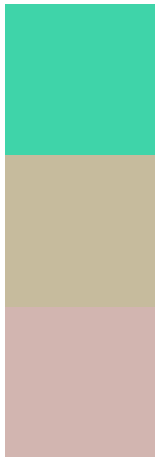


This preview shows how white text looks on a background with the Yxy color 51.0083, 0.2531, 0.3941.

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

51.0083, 0.2531, 0.3941

Protanopia

49.9807, 0.3462, 0.3670

Deuteranopia

49.8840, 0.3422, 0.3351



Tritanopia

50.9093, 0.2339, 0.3068

Trichromacy



Original Color

51.0083, 0.2531, 0.3941



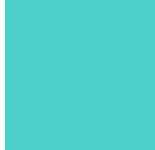
Protanomaly

48.4426, 0.3012, 0.3783



Deuteranomaly

47.8845, 0.2989, 0.3551



Tritanomaly

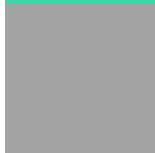
50.9957, 0.2405, 0.3374

Monochromacy



Original Color

51.0083, 0.2531, 0.3941



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.2764, 0.2812, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0083, 0.2531, 0.3941 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(63, 212, 169)` looks like.

```
.text, #text, p{  
    color:rgb(63, 212, 169)  
}
```

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(63, 212, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 212, 169) }
```

Border

The CSS property to change the border of an element to Yxy 51.0083, 0.2531, 0.3941 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(63, 212, 169) }
```

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

```
.border{ border-color:rgb(63, 212, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 212, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(63, 212, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(63, 212, 169); box-shadow:4px 4px 4px 4px rgb(63, 212, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0083, 0.2531, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 212, 169) }
```

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

```
.background{ background-color: rgb(63, 212,  
169) }
```

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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