

Converting Colors

$Y_{xy}(52.2803, 0.2534, 0.4075)$

Have a look what the booklet for
Yxy(52.2803, 0.2534, 0.4075)
contains.

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Color

$\text{Yxy}(52.4959, 0.2536, 0.4080)$

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 33D8A4 |
| RGB | 51, 216, 164 |
| RGB Percent | 20%, 85%, 64% |
| CMY | 0.7992, 0.1530, 0.3568 |
| CMYK | 0.76, 0.00, 0.24, 0.15 |
| HSL | 161°, 68%, 52% |
| HSV | 161°, 76%, 85% |
| XYZ | 32.6298, 52.4959, 43.5407 |
| YIQ | 160.7370, -81.6480, -51.1520 |

Conversions

Conversions Part 2

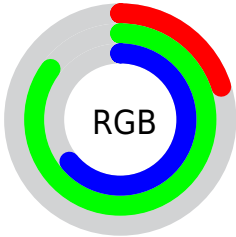
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 51, 149, 216 |
| Decimal | 3397796 |
| CIELab | 77.58, -53.24, 13.99 |
| CIELCh | 78, 55.052, 165.277 |
| Yxy | 52.4959, 0.2536, 0.4080 |
| Android (android.graphics.Color) | 4281587876 (0xFF33D8A4) |
| YUV | 160.7370, 1.6087, -96.2393 |
| Hunter-Lab | 72.4541, -46.4068, 15.0880 |

Details

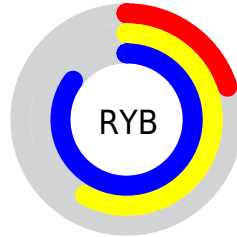
The Yxy color **52.4959, 0.2536, 0.4080** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.9651, 0.4949, 0.2781**, and the grayscale version is **35.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7720, 0.2607, 0.3723**, and **26.3115, 0.2524, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **51.8195, 0.2528, 0.4201**, and if you desaturate by 10%, it is **53.4503, 0.2564, 0.3959**.

Distribution



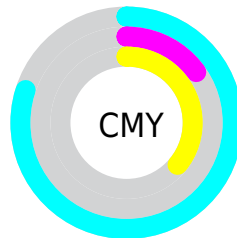
- Red (20%)
- Green (85%)
- Blue (64%)



- Red (20%)
- Yellow (58%)
- Blue (85%)



- Cyan (76%)
- Magenta (0%)
- Yellow (24%)
- Black (15%)



- Cyan (80%)
- Magenta (15%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4959, 0.2536, 0.4080 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 52.4959, 0.2536, 0.4080 by changing the saturation by 10% instead.


 52.4959, 0.2536,
0.4080


 52.4959, 0.2536,
0.4080


396.3481, 0.2833,
0.3674

 37.4005, 0.2462,
0.4185


 93.8622, 0.2644,
0.3930

 25.5177, 0.2366,
0.4321


 120.9018, 0.2685,
0.3874

 16.4632, 0.2239,
0.4505


 152.6917, 0.2719,
0.3828

 9.8525, 0.2064,
0.4766

 189.6162, 0.2749,
0.3788

 5.3013, 0.1806,
0.5164

 232.0597, 0.2774,
0.3753

 2.4251, 0.1332,
0.5877

280.4066, 0.2796,

 0.8388, 0.0000,

0.3723

1.0000

335.0412, 0.2816,
0.3697

■ 0.0000, 0.0000,
0.0000

■ 52.4959, 0.2536,
0.4080

■ 52.4959, 0.2536,
0.4080

■ 51.8195, 0.2528,
0.4201

■ 53.4503, 0.2564,
0.3959

■ 51.3744, 0.2539,
0.4320

■ 54.7086, 0.2612,
0.3841

■ 51.2422, 0.2546,
0.4364

■ 56.3003, 0.2678,
0.3726

■ 58.2499, 0.2758,
0.3618

■ 60.5794, 0.2850,
0.3517

■ 63.3089, 0.2951,
0.3424

■ 66.4575, 0.3058,
0.3339

■ 70.0425, 0.3168,
0.3263

■ 74.0805, 0.3280,
0.3195

Harmonies

Analogous

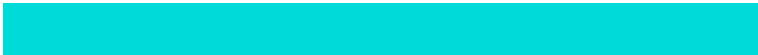
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.4959, 0.3214, 0.4592



52.4959, 0.2536, 0.4080



52.4959, 0.2052, 0.3298

Triad

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



52.4959, 0.2536, 0.4080



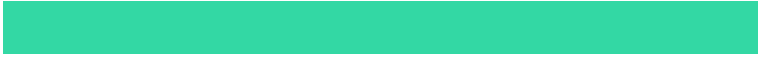
52.4959, 0.2291, 0.2168



52.4959, 0.4593, 0.3670

Complementary

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



52.4959, 0.2536, 0.4080



17.9651, 0.4949, 0.2781

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.



52.4959, 0.4307, 0.3127



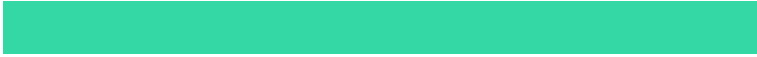
52.4959, 0.2536, 0.4080



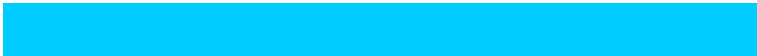
52.4959, 0.2897, 0.2309

Square

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



52.4959, 0.2536, 0.4080



52.4959, 0.1936, 0.2264



52.4959, 0.3651, 0.2648



52.4959, 0.4423, 0.4201

Rectangle

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



52.4959, 0.2536, 0.4080



52.4959, 0.1887, 0.2829



52.4959, 0.3651, 0.2648



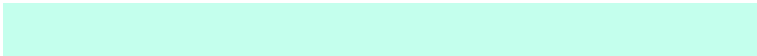
52.4959, 0.4549, 0.3486

Sweetspot

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



52.4980, 0.2536, 0.4080



89.3881, 0.2880, 0.3487



52.2551, 0.3253, 0.5520



18.8398, 0.2845, 0.3522



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.



52.4980, 0.2536, 0.4080



75.0094, 0.2533, 0.4280



40.6914, 0.2185, 0.2843



14.0381, 0.3024, 0.3365



30.3527, 0.2541, 0.4346



1.8454, 0.2484, 0.4141

Inverse Universe

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



17.9651, 0.4949, 0.2781



22.5898, 0.5520, 0.2864



20.7840, 0.5483, 0.3574



12.4847, 0.3242, 0.3217



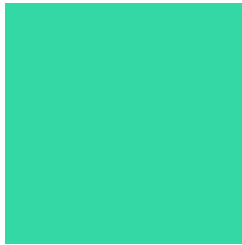
8.9064, 0.5693, 0.2910



0.5520, 0.5198, 0.2637

Previews

White Background



This preview shows how the Yxy color 52.4959, 0.2536, 0.4080 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 52.4959, 0.2536, 0.4080 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

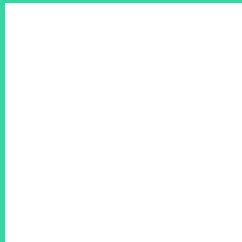
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.4959, 0.2536, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 52.4959, 0.2536, 0.4080.

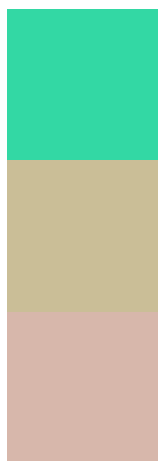


This preview shows how white text looks on a background with the Yxy color 52.4959, 0.2536, 0.4080.

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

52.4959, 0.2536, 0.4080

Protanopia

51.6178, 0.3538, 0.3777

Deuteranopia

51.2543, 0.3505, 0.3435



Tritanopia

52.3870, 0.2318, 0.3057

Trichromacy



Original Color

52.4959, 0.2536, 0.4080



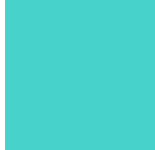
Protanomaly

49.4502, 0.3031, 0.3897



Deuteranomaly

48.8259, 0.3009, 0.3663



Tritanomaly

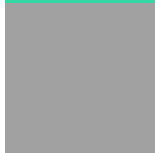
52.2399, 0.2388, 0.3402

Monochromacy



Original Color

52.4959, 0.2536, 0.4080



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.7213, 0.2790, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.4959, 0.2536, 0.4080 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(51, 216, 164)` looks like.

```
.text, #text, p{  
    color:rgb(51, 216, 164)  
}
```

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(51, 216, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 216, 164) }
```

Border

The CSS property to change the border of an element to Yxy 52.4959, 0.2536, 0.4080 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(51, 216, 164) }
```

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

```
.border{ border-color:rgb(51, 216, 164) }
```

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

Here you see how a box with a 4 pixel rgb(51, 216, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 216, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 216, 164);  
box-shadow:4px 4px 4px 4px rgb(51, 216,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 52.4959, 0.2536, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 216, 164) }
```

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

```
.background{ background-color: rgb(51, 216,  
164) }
```

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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