

Converting Colors

$Y_{xy}(51.3010, 0.2357, 0.3528)$

Have a look what the booklet for
Yxy(51.3010, 0.2357, 0.3528)
contains.

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Color

Yxy(51.5407, 0.2360, 0.3538)

Conversions

Conversions Part 1

Format	Color
Hex	2BD4C3
RGB	43, 212, 195
RGB Percent	17%, 83%, 76%
CMY	0.8324, 0.1686, 0.2353
CMYK	0.80, 0.00, 0.08, 0.17
HSL	174°, 66%, 50%
HSV	174°, 80%, 83%
XYZ	34.3799, 51.5407, 59.7569
YIQ	159.5310, -95.2670, -41.1150

Conversions

Conversions Part 2

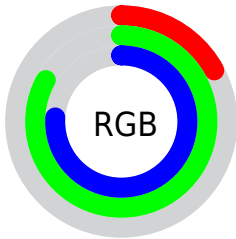
Format	Color
RYB	43, 132, 212
Decimal	2872515
CIELab	77.01, -44.63, -3.39
CIElCh	77, 44.761, 184.347
Yxy	51.5407, 0.2360, 0.3538
Android (android.graphics.Color)	4281062595 (0xFF2BD4C3)
YUV	159.5310, 17.4862, -102.1977
Hunter-Lab	71.7919, -40.1551, 0.9035

Details

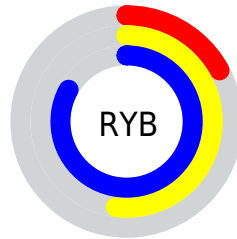
The Yxy color **51.5407, 0.2360, 0.3538** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.0314, 0.5688, 0.3164**, and the grayscale version is **34.8424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4070, 0.2459, 0.3334**, and **25.7000, 0.2329, 0.3586** is the 20% darker color. If you saturate the color by 10%, you get **51.1044, 0.2340, 0.3573**, and if you desaturate by 10%, it is **52.2198, 0.2398, 0.3503**.

Distribution



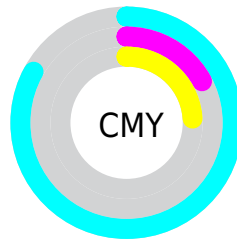
- Red (17%)
- Green (83%)
- Blue (76%)



- Red (17%)
- Yellow (52%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (17%)




- Cyan (83%)
- Magenta (17%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5407, 0.2360, 0.3538 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 51.5407, 0.2360, 0.3538 by changing the saturation by 10% instead.


 51.5407, 0.2360,
0.3538


 51.5407, 0.2360,
0.3538


392.6609, 0.2731,
0.3422

 36.6391, 0.2272,
0.3565


 92.4535, 0.2492,
0.3498

 24.9282, 0.2161,
0.3597


 119.2335, 0.2542,
0.3482

 16.0236, 0.2018,
0.3638


 150.7418, 0.2585,
0.3468

 9.5408, 0.1827,
0.3690

 187.3627, 0.2622,
0.3457

 5.0956, 0.1563,
0.3758

 229.4807, 0.2655,
0.3446

 2.3035, 0.1169,
0.3847

277.4801, 0.2683,

 0.7755, 0.0000,

0.3437

0.4165

331.7454, 0.2708,
0.3429

0.0000, 0.0000,
0.0000

51.5407, 0.2360,
0.3538

51.5407, 0.2360,
0.3538

51.1044, 0.2340,
0.3573

52.2198, 0.2398,
0.3503

50.8468, 0.2335,
0.3607

53.1681, 0.2456,
0.3469

50.8432, 0.2335,
0.3607

54.4153, 0.2532,
0.3435

55.9852, 0.2627,
0.3402

57.8996, 0.2736,
0.3371

■ 60.1781, 0.2858,
0.3342

■ 62.8390, 0.2990,
0.3314

■ 65.8994, 0.3129,
0.3290

■ 69.3752, 0.3273,
0.3267

Harmonies

Analogous

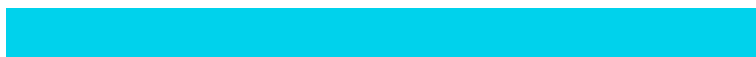
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5407, 0.2844, 0.4113



51.5407, 0.2360, 0.3538



51.5407, 0.2092, 0.2941

Triad

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



51.5407, 0.2360, 0.3538



51.5407, 0.2738, 0.2398



51.5407, 0.4292, 0.3919

Complementary

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



51.5407, 0.2360, 0.3538



16.0314, 0.5688, 0.3164

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.



51.5407, 0.4286, 0.3461



51.5407, 0.2360, 0.3538



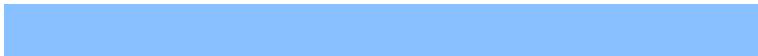
51.5407, 0.3335, 0.2631

Square

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



51.5407, 0.2360, 0.3538



51.5407, 0.2294, 0.2353



51.5407, 0.3923, 0.3007



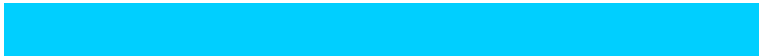
51.5407, 0.3967, 0.4281

Rectangle

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



51.5407, 0.2360, 0.3538



51.5407, 0.2051, 0.2640



51.5407, 0.3923, 0.3007



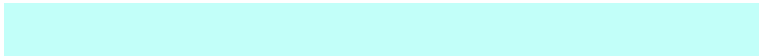
51.5407, 0.4331, 0.3771

Sweetspot

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



51.5427, 0.2360, 0.3538



89.7927, 0.2803, 0.3354



48.3075, 0.3076, 0.5716



18.9580, 0.2759, 0.3365



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.



51.5427, 0.2360, 0.3538



77.3199, 0.2336, 0.3597



26.1679, 0.2017, 0.2263



14.0853, 0.2996, 0.3313



31.3910, 0.2334, 0.3602



1.8997, 0.2318, 0.3543

Inverse Universe

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



16.0314, 0.5688, 0.3164



21.6018, 0.6235, 0.3234



24.8177, 0.5220, 0.3937



12.4409, 0.3275, 0.3267



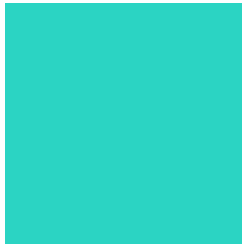
8.6822, 0.6276, 0.3231



0.5307, 0.5952, 0.3052

Previews

White Background



This preview shows how the Yxy color 51.5407, 0.2360, 0.3538 looks on a white background.

Color Contrast Check

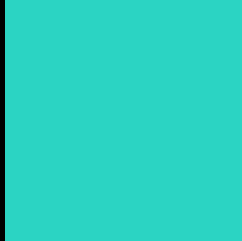
Large Text (above 18pt) WCAG AA × Fail

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 51.5407, 0.2360, 0.3538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

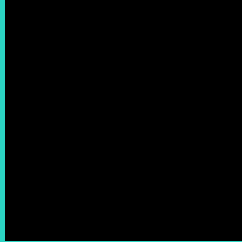
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

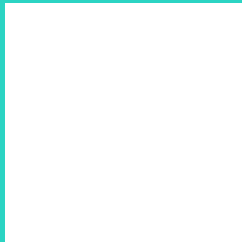
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5407, 0.2360, 0.3538

Background



This preview shows how black text looks on a background with the Yxy color 51.5407, 0.2360, 0.3538.

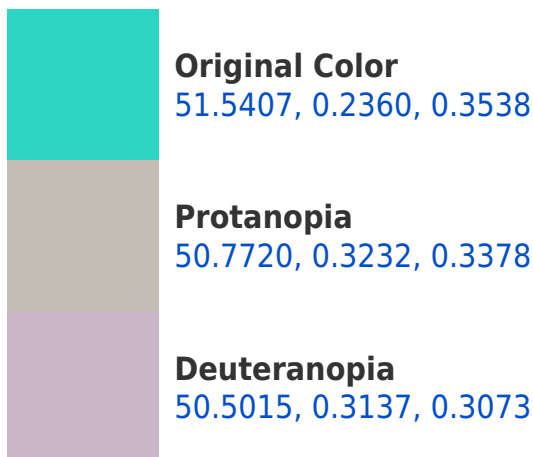


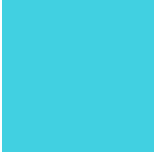
This preview shows how white text looks on a background with the Yxy color 51.5407, 0.2360, 0.3538.

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





Tritanopia

51.6718, 0.2265, 0.3054

Trichromacy



Original Color

51.5407, 0.2360, 0.3538



Protanomaly

48.9666, 0.2775, 0.3442



Deuteranomaly

48.5467, 0.2715, 0.3221



Tritanomaly

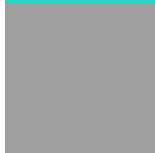
51.3258, 0.2296, 0.3217

Monochromacy



Original Color

51.5407, 0.2360, 0.3538



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.6013, 0.2689, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5407, 0.2360, 0.3538 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(43, 212, 195)` looks like.

```
.text, #text, p{  
    color:rgb(43, 212, 195)  
}
```

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(43, 212, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 212, 195) }
```

Border

The CSS property to change the border of an element to Yxy 51.5407, 0.2360, 0.3538 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(43, 212, 195) }
```

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

```
.border{ border-color:rgb(43, 212, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 212, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 212, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 212, 195);  
box-shadow:4px 4px 4px 4px rgb(43, 212,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5407, 0.2360, 0.3538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 212, 195) }
```

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

```
.background{ background-color: rgb(43, 212,  
195) }
```

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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