

Converting Colors

$Yxy(51.5537, 0.2453, 0.3462)$

Have a look what the booklet for
Yxy(51.5537, 0.2453, 0.3462)
contains.

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Color

Yxy(51.5170, 0.2454, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	54D1C5
RGB	84, 209, 197
RGB Percent	33%, 82%, 77%
CMY	0.6703, 0.1804, 0.2275
CMYK	0.60, 0.00, 0.06, 0.18
HSL	174°, 58%, 57%
HSV	174°, 60%, 82%
XYZ	36.5384, 51.5170, 60.8377
YIQ	170.2570, -70.6480, -30.2320

Conversions

Conversions Part 2

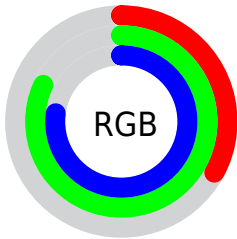
Format	Color
RYB	84, 150, 209
Decimal	5558725
CIELab	76.99, -37.27, -4.40
CIELCh	77, 37.525, 186.732
Yxy	51.5170, 0.2454, 0.3460
Android (android.graphics.Color)	4283748805 (0xFF54D1C5)
YUV	170.2570, 13.1843, -75.6474
Hunter-Lab	71.7753, -34.7386, -0.0122

Details

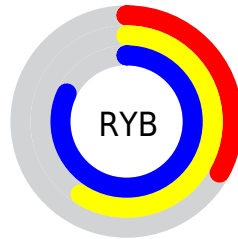
The Yxy color **51.5170, 0.2454, 0.3460** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.7523, 0.4803, 0.3156**, and the grayscale version is **40.3022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6955, 0.2545, 0.3299**, and **25.0944, 0.2307, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **50.6019, 0.2396, 0.3493**, and if you desaturate by 10%, it is **52.7250, 0.2531, 0.3428**.

Distribution



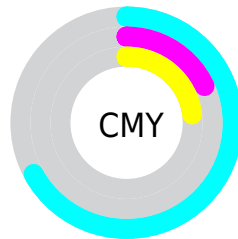
- Red (33%)
- Green (82%)
- Blue (77%)



- Red (33%)
- Yellow (59%)
- Blue (82%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (18%)





- Cyan (67%)
- Magenta (18%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5170, 0.2454, 0.3460 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 51.5170, 0.2454, 0.3460 by changing the saturation by 10% instead.


 51.5170, 0.2454,
0.3460


 51.5170, 0.2454,
0.3460


392.5691, 0.2780,
0.3382

 36.6202, 0.2376,
0.3477


 92.4185, 0.2570,
0.3433

 24.9136, 0.2278,
0.3499


 119.1921, 0.2614,
0.3423

 16.0127, 0.2152,
0.3525

 150.6933, 0.2652,
0.3413

 9.5331, 0.1982,
0.3558

 187.3067, 0.2684,
0.3405

 5.0905, 0.1744,
0.3598

229.4166, 0.2713,
0.3398

 2.3005, 0.1392,
0.3645

277.4073, 0.2738,

 0.7740, 0.0000,

0.3392

0.3997

331.6634, 0.2760,
0.3387

0.0000, 0.0000,
0.0000

51.5170, 0.2454,
0.3460

51.5170, 0.2454,
0.3460

50.6019, 0.2396,
0.3493

52.7250, 0.2531,
0.3428

49.9473, 0.2357,
0.3526

54.2432, 0.2626,
0.3397

49.5238, 0.2337,
0.3559

56.0944, 0.2735,
0.3367

49.2755, 0.2331,
0.3591

58.2975, 0.2858,
0.3339

49.2705, 0.2331,
0.3592

60.8704, 0.2991,
0.3313

■ 63.8292, 0.3130,
0.3290

■ 67.1896, 0.3274,
0.3268

■ 70.9660, 0.3420,
0.3249

■ 71.7697, 0.3434,
0.3229

Harmonies

Analogous

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



51.5170, 0.2858, 0.3938



51.5170, 0.2454, 0.3460



51.5170, 0.2235, 0.2972

Triad

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



51.5170, 0.2454, 0.3460



51.5170, 0.2839, 0.2536



51.5170, 0.4098, 0.3866

Complementary

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



51.5170, 0.2454, 0.3460



20.7523, 0.4803, 0.3156

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.



51.5170, 0.4110, 0.3480



51.5170, 0.2454, 0.3460



51.5170, 0.3347, 0.2749

Square

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



51.5170, 0.2454, 0.3460



51.5170, 0.2443, 0.2487



51.5170, 0.3827, 0.3084



51.5170, 0.3812, 0.4146

Rectangle

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



51.5170, 0.2454, 0.3460



51.5170, 0.2209, 0.2723



51.5170, 0.3827, 0.3084



51.5170, 0.4135, 0.3744

Sweetspot

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



51.5190, 0.2454, 0.3460



92.0291, 0.2878, 0.3335



48.7585, 0.3105, 0.5170



19.4620, 0.2841, 0.3343



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.



51.5190, 0.2454, 0.3460



79.0103, 0.2382, 0.3503



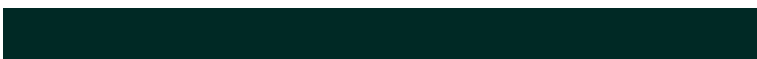
31.2968, 0.2228, 0.2528



13.3867, 0.2996, 0.3312



30.3874, 0.2330, 0.3587



1.7049, 0.2313, 0.3527

Inverse Universe

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



20.7523, 0.4803, 0.3156



26.5395, 0.5392, 0.3157



31.2577, 0.4542, 0.3897



11.8264, 0.3276, 0.3268



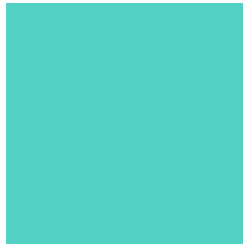
8.3957, 0.6281, 0.3234



0.4759, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 51.5170, 0.2454, 0.3460 looks on a white background.

Color Contrast Check

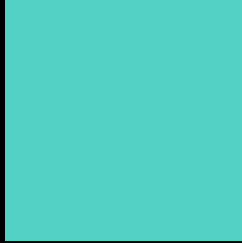
Large Text (above 18pt) WCAG AA × Fail

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 51.5170, 0.2454, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

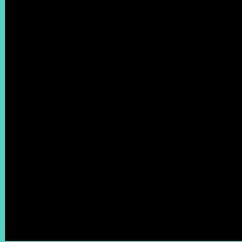
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

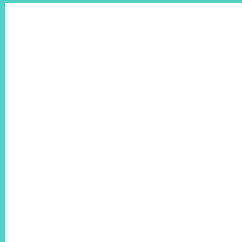
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.5170, 0.2454, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 51.5170, 0.2454, 0.3460.

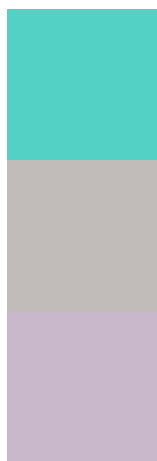


This preview shows how white text looks on a background with the Yxy color 51.5170, 0.2454, 0.3460.

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

51.5170, 0.2454, 0.3460

Protanopia

50.8067, 0.3192, 0.3328

Deuteranopia

50.5963, 0.3122, 0.3049



Tritanopia

51.3163, 0.2361, 0.3057

Trichromacy



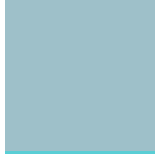
Original Color

51.5170, 0.2454, 0.3460



Protanomaly

49.9263, 0.2851, 0.3384



Deuteranomaly

49.1854, 0.2803, 0.3170



Tritanomaly

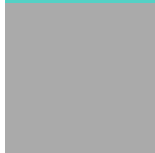
51.1204, 0.2390, 0.3191

Monochromacy



Original Color

51.5170, 0.2454, 0.3460



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.0652, 0.2800, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5170, 0.2454, 0.3460 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(84, 209, 197)` looks like.

```
.text, #text, p{  
    color:rgb(84, 209, 197)  
}
```

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(84, 209, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 209, 197) }
```

Border

The CSS property to change the border of an element to Yxy 51.5170, 0.2454, 0.3460 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(84, 209, 197) }
```

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

```
.border{ border-color:rgb(84, 209, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 209, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 209, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 209, 197);  
box-shadow:4px 4px 4px 4px rgb(84, 209,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5170, 0.2454, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 209, 197) }
```

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

```
.background{ background-color: rgb(84, 209,  
197) }
```

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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