

Converting Colors

$Yxy(58.4313, 0.2436, 0.3751)$

Have a look what the booklet for
Yxy(58.4313, 0.2436, 0.3751)
contains.

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Color

Yxy(58.4131, 0.2438, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	35E1C0
RGB	53, 225, 192
RGB Percent	21%, 88%, 75%
CMY	0.7926, 0.1176, 0.2470
CMYK	0.76, 0.00, 0.15, 0.12
HSL	169°, 74%, 54%
HSV	169°, 76%, 88%
XYZ	37.9055, 58.4131, 59.1594
YIQ	169.8100, -91.9190, -46.7270

Conversions

Conversions Part 2

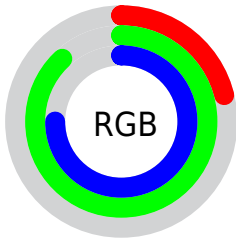
Format	Color
RYB	53, 148, 225
Decimal	3531200
CIELab	80.97, -49.93, 3.99
CIELCh	81, 50.087, 175.434
Yxy	58.4131, 0.2438, 0.3757
Android (android.graphics.Color)	4281721280 (0xFF35E1C0)
YUV	169.8100, 10.9397, -102.4424
Hunter-Lab	76.4285, -45.2208, 7.6065

Details

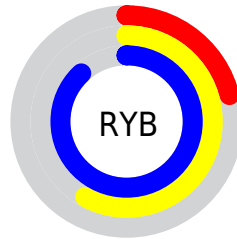
The Yxy color **58.4131, 0.2438, 0.3757** is a light color, and the websafe version is hex **33CC99**. The color can be described as light washed cyan. A complement of this color would be **19.2157, 0.5320, 0.3007**, and the grayscale version is **40.0650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7329, 0.2496, 0.3369**, and **30.2400, 0.2405, 0.3859** is the 20% darker color. If you saturate the color by 10%, you get **57.7549, 0.2420, 0.3827**, and if you desaturate by 10%, it is **59.3672, 0.2476, 0.3687**.

Distribution



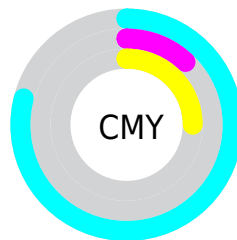
- Red (21%)
- Green (88%)
- Blue (75%)



- Red (21%)
- Yellow (58%)
- Blue (88%)



- Cyan (76%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)





- Cyan (79%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.4131, 0.2438, 0.3757 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 58.4131, 0.2438, 0.3757 by changing the saturation by 10% instead.


 58.4131, 0.2438,
0.3757


 58.4131, 0.2438,
0.3757


418.7235, 0.2769,
0.3529


 42.1408, 0.2360,
0.3812

 102.5242, 0.2555,
0.3676

 29.2116, 0.2262,
0.3882


 131.1318, 0.2600,
0.3645

 19.2409, 0.2136,
0.3972


 164.6200, 0.2638,
0.3618

 11.8445, 0.1968,
0.4095

 203.3732, 0.2671,
0.3596

 6.6379, 0.1735,
0.4269

 247.7757, 0.2700,
0.3576

 3.2367, 0.1396,
0.4536

298.2120, 0.2726,

 1.2565, 0.0000,

0.3558

355.0665, 0.2749,
0.3543

0.5458

■ 0.1072, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.4131, 0.2438,
0.3757

■ 58.4131, 0.2438,
0.3757

■ 57.7549, 0.2420,
0.3827

■ 59.3672, 0.2476,
0.3687

■ 57.3409, 0.2420,
0.3896

■ 60.6460, 0.2533,
0.3618

■ 57.2271, 0.2422,
0.3921


■ 62.2820, 0.2608,
0.3551


■ 64.3022, 0.2700,
0.3488

 66.7307, 0.2805,
0.3428

 69.5900, 0.2921,
0.3372

 72.9005, 0.3044,
0.3321

 76.6815, 0.3173,
0.3274

 80.8744, 0.3300,
0.3233

Harmonies

Analogous

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



58.4131, 0.3002, 0.4313



58.4131, 0.2438, 0.3757



58.4131, 0.2081, 0.3087

Triad

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



58.4131, 0.2438, 0.3757



58.4131, 0.2547, 0.2305



58.4131, 0.4414, 0.3812

Complementary

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



58.4131, 0.2438, 0.3757



19.2157, 0.5320, 0.3007

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.



58.4131, 0.4292, 0.3318



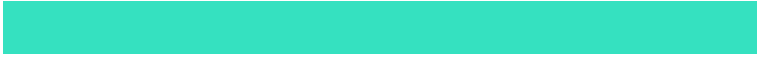
58.4131, 0.2438, 0.3757



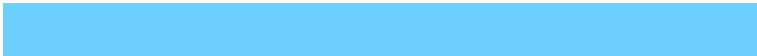
58.4131, 0.3148, 0.2497

Square

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



58.4131, 0.2438, 0.3757



58.4131, 0.2144, 0.2321



58.4131, 0.3808, 0.2856



58.4131, 0.4155, 0.4249

Rectangle

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



58.4131, 0.2438, 0.3757



58.4131, 0.1987, 0.2721



58.4131, 0.3808, 0.2856



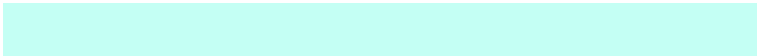
58.4131, 0.4418, 0.3649

Sweetspot

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



58.4154, 0.2438, 0.3757



89.8199, 0.2843, 0.3409



56.1522, 0.3146, 0.5603



18.9454, 0.2802, 0.3429



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.



58.4154, 0.2438, 0.3757



76.3282, 0.2418, 0.3870



36.2218, 0.2104, 0.2534



15.5249, 0.3007, 0.3335



32.9910, 0.2419, 0.3910



2.2985, 0.2390, 0.3803

Inverse Universe

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



19.2157, 0.5320, 0.3007



22.1604, 0.5921, 0.3090



26.2727, 0.5283, 0.3782



13.7432, 0.3262, 0.3245



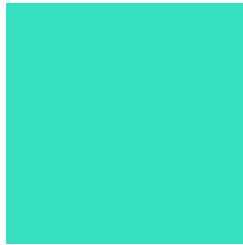
9.3382, 0.6089, 0.3128



0.6597, 0.5671, 0.2898

Previews

White Background



This preview shows how the Yxy color 58.4131, 0.2438, 0.3757 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 58.4131, 0.2438, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

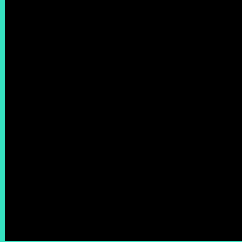
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

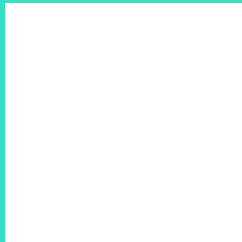
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.4131, 0.2438, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 58.4131, 0.2438, 0.3757.

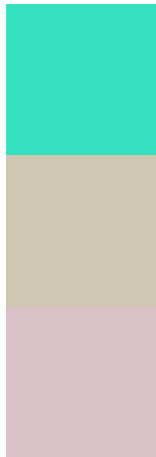


This preview shows how white text looks on a background with the Yxy color 58.4131, 0.2438, 0.3757.

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

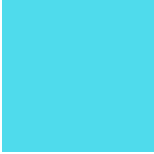
58.4131, 0.2438, 0.3757

Protanopia

57.4711, 0.3357, 0.3541

Deuteranopia

57.1689, 0.3285, 0.3222



Tritanopia

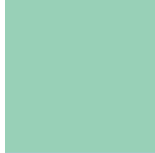
58.3814, 0.2295, 0.3066

Trichromacy



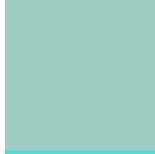
Original Color

58.4131, 0.2438, 0.3757



Protanomaly

55.2060, 0.2891, 0.3623



Deuteranomaly

54.9173, 0.2847, 0.3406



Tritanomaly

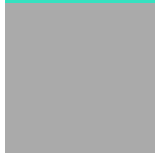
58.1823, 0.2343, 0.3301

Monochromacy



Original Color

58.4131, 0.2438, 0.3757



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.5533, 0.2737, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4131, 0.2438, 0.3757 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(53, 225, 192)` looks like.

```
.text, #text, p{  
    color:rgb(53, 225, 192)  
}
```

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(53, 225, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 225, 192) }
```

Border

The CSS property to change the border of an element to Yxy 58.4131, 0.2438, 0.3757 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(53, 225, 192) }
```

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

```
.border{ border-color:rgb(53, 225, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 225, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 225, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 225, 192);  
box-shadow:4px 4px 4px 4px rgb(53, 225,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4131, 0.2438, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 225, 192) }
```

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

```
.background{ background-color: rgb(53, 225,  
192) }
```

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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