

Converting Colors

Yxy(51.6271, 0.2884, 0.4835)

Have a look what the booklet for
Yxy(51.6271, 0.2884, 0.4835)
contains.

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Color

Yxy(51.5651, 0.2884, 0.4840)

Conversions

Conversions Part 1

Format	Color
Hex	51D772
RGB	81, 215, 114
RGB Percent	32%, 84%, 45%
CMY	0.6826, 0.1568, 0.5530
CMYK	0.62, 0.00, 0.47, 0.16
HSL	135°, 63%, 58%
HSV	135°, 62%, 84%
XYZ	30.7260, 51.5651, 24.2484
YIQ	163.4200, -47.4430, -59.8190

Conversions

Conversions Part 2

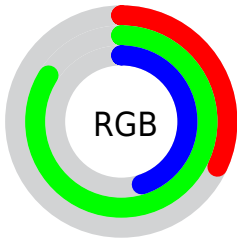
Format	Color
RYB	81, 189, 215
Decimal	5363570
CIELab	77.02, -57.79, 39.15
CIElCh	77, 69.805, 145.884
Yxy	51.5651, 0.2884, 0.4840
Android (android.graphics.Color)	4283553650 (0xFF51D772)
YUV	163.4200, -24.3641, -72.2823
Hunter-Lab	71.8088, -49.2879, 30.2452

Details

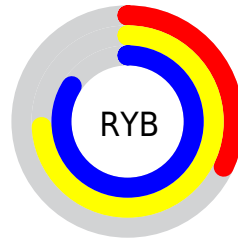
The Yxy color **51.5651, 0.2884, 0.4840** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.6993, 0.3588, 0.2158**, and the grayscale version is **36.9612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1497, 0.2948, 0.4370**, and **25.1552, 0.2810, 0.5317** is the 20% darker color. If you saturate the color by 10%, you get **50.4271, 0.2876, 0.5120**, and if you desaturate by 10%, it is **53.0732, 0.2905, 0.4552**.

Distribution



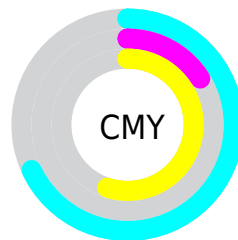
- Red (32%)
- Green (84%)
- Blue (45%)



- Red (32%)
- Yellow (74%)
- Blue (84%)



- Cyan (62%)
- Magenta (0%)
- Yellow (47%)
- Black (16%)





- Cyan (68%)
- Magenta (16%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5651, 0.2884, 0.4840 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 51.5651, 0.2884, 0.4840 by changing the saturation by 10% instead.


 51.5651, 0.2884,
0.4840


 51.5651, 0.2884,
0.4840


392.7553, 0.3040,
0.4019

 36.6585, 0.2833,
0.5056


 92.4895, 0.2949,
0.4532


 24.9432, 0.2761,
0.5338


 119.2762, 0.2971,
0.4420

 16.0348, 0.2652,
0.5718


 150.7917, 0.2989,
0.4325

 9.5488, 0.2478,
0.6251

 187.4204, 0.3003,
0.4245

 5.1008, 0.2196,
0.7083

229.5467, 0.3015,
0.4176

 2.3065, 0.1415,
0.8585

277.5551, 0.3025,

 0.7772, 0.0000,

0.4117

1.0000

331.8298, 0.3033,
0.4065

■ 0.0000, 0.0000,
0.0000

■ 51.5651, 0.2884,
0.4840

■ 51.5651, 0.2884,
0.4840

■ 50.4271, 0.2876,
0.5120

■ 53.0732, 0.2905,
0.4552

■ 49.6199, 0.2883,
0.5376

■ 54.9739, 0.2937,
0.4269


■ 49.1063, 0.2903,
0.5594

■ 57.2953, 0.2977,
0.4001


■ 48.8633, 0.2925,
0.5729

■ 60.0611, 0.3022,
0.3754

■ 63.2931, 0.3069,
0.3531

 67.0117, 0.3116,
0.3333

 71.2363, 0.3163,
0.3159

 75.9848, 0.3208,
0.3007

 77.0862, 0.3145,
0.2901

Harmonies

Analogous

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



51.5651, 0.3758, 0.5012



51.5651, 0.2884, 0.4840



51.5651, 0.2123, 0.3958

Triad

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



51.5651, 0.2884, 0.4840



51.5651, 0.1785, 0.1951



51.5651, 0.4823, 0.3279

Complementary

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



51.5651, 0.2884, 0.4840



23.6993, 0.3588, 0.2158

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.



51.5651, 0.4119, 0.2680



51.5651, 0.2884, 0.4840



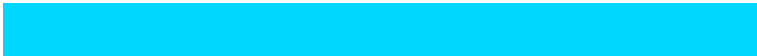
51.5651, 0.2313, 0.1954

Square

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



51.5651, 0.2884, 0.4840



51.5651, 0.1573, 0.2253



51.5651, 0.3149, 0.2212



51.5651, 0.4945, 0.3934

Rectangle

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



51.5651, 0.2884, 0.4840



51.5651, 0.1784, 0.3252



51.5651, 0.3149, 0.2212



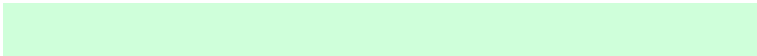
51.5651, 0.4644, 0.3071

Sweetspot

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



51.5672, 0.2884, 0.4840



89.8085, 0.3036, 0.3681



59.3558, 0.3738, 0.4878



18.9429, 0.3023, 0.3747



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.



51.5672, 0.2884, 0.4840



73.7471, 0.2877, 0.5209



53.6177, 0.2548, 0.3810



13.9457, 0.3083, 0.3471



29.2372, 0.2918, 0.5705



1.7768, 0.2823, 0.5363

Inverse Universe

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



23.6993, 0.3588, 0.2158



29.4455, 0.3721, 0.2013



21.6007, 0.4563, 0.2885



12.5779, 0.3175, 0.3116



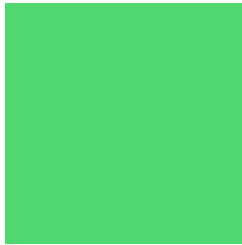
10.2189, 0.3945, 0.1947



0.6291, 0.3792, 0.1862

Previews

White Background



This preview shows how the Yxy color 51.5651, 0.2884, 0.4840 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 51.5651, 0.2884, 0.4840 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 51.5651, 0.2884, 0.4840

Background



This preview shows how black text looks on a background with the Yxy color 51.5651, 0.2884, 0.4840.



This preview shows how white text looks on a background with the Yxy color 51.5651, 0.2884, 0.4840.

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

51.5651, 0.2884, 0.4840

Protanopia

50.6805, 0.3944, 0.4300

Deuteranopia

50.3786, 0.4046, 0.3957



Tritanopia

51.2587, 0.2437, 0.3059

Trichromacy



Original Color

51.5651, 0.2884, 0.4840



Protanomaly

49.0479, 0.3471, 0.4528



Deuteranomaly

48.4705, 0.3526, 0.4288



Tritanomaly

50.6712, 0.2599, 0.3667

Monochromacy



Original Color

51.5651, 0.2884, 0.4840



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.4868, 0.3003, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5651, 0.2884, 0.4840 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(81, 215, 114)` looks like.

```
.text, #text, p{  
    color:rgb(81, 215, 114)  
}
```

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(81, 215, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 215, 114) }
```

Border

The CSS property to change the border of an element to Yxy 51.5651, 0.2884, 0.4840 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(81, 215, 114) }
```

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

```
.border{ border-color:rgb(81, 215, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 215, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 215, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 215, 114);  
box-shadow:4px 4px 4px 4px rgb(81, 215,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5651, 0.2884, 0.4840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 215, 114) }
```

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

```
.background{ background-color: rgb(81, 215,  
114) }
```

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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