

# Converting Colors

$Y_{xy}(48.2781, 0.2884, 0.5342)$

Have a look what the booklet for  
Yxy(48.2781, 0.2884, 0.5342)  
contains.

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# Color

**Yxy(48.1829, 0.2881, 0.5335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29D453
RGB	41, 212, 83
RGB Percent	16%, 83%, 33%
CMY	0.8391, 0.1686, 0.6745
CMYK	0.81, 0.00, 0.61, 0.17
HSL	135°, 68%, 50%
HSV	135°, 81%, 83%
XYZ	26.0197, 48.1829, 16.1121
YIQ	146.1650, -60.5070, -76.3710

# Conversions

## Conversions Part 2

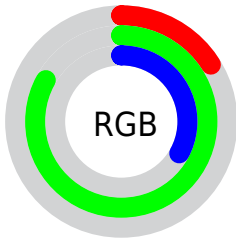
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 178, 212
Decimal	2741331
CIELab	74.94, -67.33, 51.01
CIELCh	75, 84.467, 142.852
Yxy	48.1829, 0.2881, 0.5335
Android (android.graphics.Color)	4280931411 (0xFF29D453)
YUV	146.1650, -31.1403, -92.2297
Hunter-Lab	69.4139, -54.5639, 34.8275

# Details

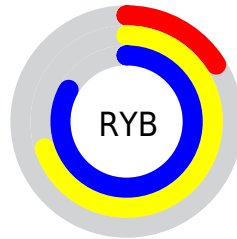
The Yxy color **48.1829, 0.2881, 0.5335** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **18.4876, 0.3767, 0.1978**, and the grayscale version is **28.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0795, 0.2966, 0.4809**, and **23.8561, 0.2952, 0.5826** is the 20% darker color. If you saturate the color by 10%, you get **47.6407, 0.2899, 0.5560**, and if you desaturate by 10%, it is **49.0205, 0.2877, 0.5074**.

# Distribution



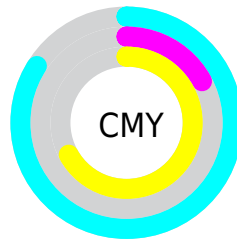
- Red (16%)
- Green (83%)
- Blue (33%)



- Red (16%)
- Yellow (70%)
- Blue (83%)



- Cyan (81%)
- Magenta (0%)
- Yellow (61%)
- Black (17%)




- Cyan (84%)
- Magenta (17%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1829, 0.2881, 0.5335 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 48.1829, 0.2881, 0.5335 by changing the saturation by 10% instead.





 48.1829, 0.2881,  
0.5335

 48.1829, 0.2881,  
0.5335


379.5166, 0.3069,  
0.4233

 33.9718, 0.2810,  
0.5625


 87.4767, 0.2967,  
0.4921


 22.8719, 0.2705,  
0.6001


 113.3281, 0.2993,  
0.4769


 14.4989, 0.2540,  
0.6497


 143.8283, 0.3014,  
0.4642

 8.4685, 0.2274,  
0.7178

 179.3619, 0.3030,  
0.4535

 4.3962, 0.1836,  
0.8164

 220.3131, 0.3043,  
0.4443

 1.8975, 0.0000,  
1.0000

267.0664, 0.3053,

 0.5469, 0.0000,

0.4364

1.0000

320.0061, 0.3062,  
0.4294

■ 0.0000, 0.0000,  
0.0000

■ 48.1829, 0.2881,  
0.5335

■ 48.1829, 0.2881,  
0.5335

■ 47.6407, 0.2899,  
0.5560

■ 49.0205, 0.2877,  
0.5074


■ 47.3370, 0.2925,  
0.5729

■ 50.1842, 0.2887,  
0.4791

■ 51.7071, 0.2911,  
0.4504

■ 53.6164, 0.2944,  
0.4223

■ 55.9368, 0.2985,  
0.3958

 58.6909, 0.3030,  
0.3715

 61.8996, 0.3077,  
0.3496

 65.5825, 0.3124,  
0.3302

 69.7578, 0.3170,  
0.3131

# Harmonies

## Analogous

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



48.1829, 0.3910, 0.5347



48.1829, 0.2881, 0.5335



48.1829, 0.1969, 0.4262

# Triad

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



48.1829, 0.2881, 0.5335



48.1829, 0.1508, 0.1721



48.1829, 0.5155, 0.3150

# Complementary

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



48.1829, 0.2881, 0.5335



18.4876, 0.3767, 0.1978

# 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.



48.1829, 0.4226, 0.2486



48.1829, 0.2881, 0.5335



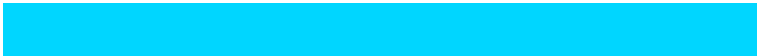
48.1829, 0.2065, 0.1707

# Square

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



48.1829, 0.2881, 0.5335



48.1829, 0.1302, 0.2081



48.1829, 0.3020, 0.1975



48.1829, 0.5329, 0.3885

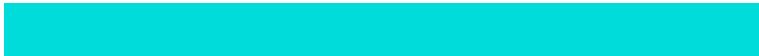


# Rectangle

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



48.1829, 0.2881, 0.5335



48.1829, 0.1563, 0.3336



48.1829, 0.3020, 0.1975



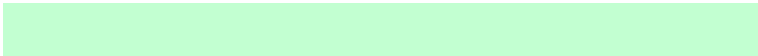
48.1829, 0.4915, 0.2918

# Sweetspot

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



48.1849, 0.2881, 0.5335



87.5578, 0.3013, 0.3799



56.0315, 0.3803, 0.5199



18.4208, 0.2997, 0.3887



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.



48.1849, 0.2881, 0.5335



71.9914, 0.2921, 0.5696



50.3284, 0.2490, 0.3993



13.9455, 0.3083, 0.3471



29.2360, 0.2919, 0.5707



1.7767, 0.2824, 0.5366



# Inverse Universe

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



18.4876, 0.3767, 0.1978



25.3330, 0.3936, 0.1951



16.2664, 0.5255, 0.2883



12.5781, 0.3175, 0.3116



10.2234, 0.3942, 0.1945

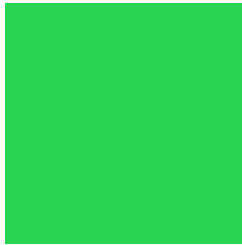


0.6294, 0.3789, 0.1861



# Previews

## White Background



This preview shows how the Yxy color 48.1829, 0.2881, 0.5335 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 48.1829, 0.2881, 0.5335 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 48.1829, 0.2881, 0.5335**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1829, 0.2881, 0.5335.



This preview shows how white text looks on a background with the Yxy color 48.1829, 0.2881, 0.5335.

# 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

48.1829, 0.2881, 0.5335

### Protanopia

47.1988, 0.4158, 0.4556

### Deuteranopia

46.9275, 0.4279, 0.4192



## Tritanopia

48.0285, 0.2367, 0.3064

# Trichromacy



## Original Color

48.1829, 0.2881, 0.5335



## Protanomaly

45.1391, 0.3532, 0.4934



## Deuteranomaly

43.8727, 0.3590, 0.4669



## Tritanomaly

47.3922, 0.2551, 0.3860

# Monochromacy



## Original Color

48.1829, 0.2881, 0.5335



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

33.3677, 0.2965, 0.4099

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1829, 0.2881, 0.5335 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(41, 212, 83)` looks like.

```
.text, #text, p{  
    color:rgb(41, 212, 83)  
}
```

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(41, 212, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 212, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1829, 0.2881, 0.5335 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(41, 212, 83) }
```

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

```
.border{ border-color:rgb(41, 212, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 212, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 212, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 212, 83);  
box-shadow:4px 4px 4px 4px rgb(41, 212,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1829, 0.2881, 0.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 212, 83) }
```

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

```
.background{ background-color: rgb(41, 212,  
83) }
```

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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