

# Converting Colors

$Y_{xy}(43.1347, 0.2848, 0.5297)$

Have a look what the booklet for  
Yxy(43.1347, 0.2848, 0.5297)  
contains.

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# Color

**Yxy(43.1263, 0.2848, 0.5299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1ECA52
RGB	30, 202, 82
RGB Percent	12%, 79%, 32%
CMY	0.8823, 0.2078, 0.6785
CMYK	0.85, 0.00, 0.59, 0.21
HSL	138°, 74%, 45%
HSV	138°, 85%, 79%
XYZ	23.1787, 43.1263, 15.0808
YIQ	136.8920, -63.9920, -73.7840

# Conversions

## Conversions Part 2

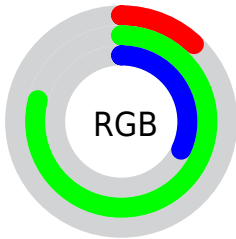
Format	Color
<b>RYB</b>	30, 162, 202
Decimal	2017874
CIELab	71.64, -65.38, 47.63
CIELCh	72, 80.886, 143.928
Yxy	43.1263, 0.2848, 0.5299
Android (android.graphics.Color)	4280207954 (0xFF1ECA52)
YUV	136.8920, -27.0618, -93.7443
Hunter-Lab	65.6706, -51.9214, 32.3539

# Details

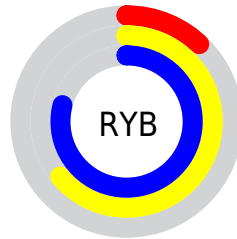
The Yxy color **43.1263, 0.2848, 0.5299** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **15.6900, 0.3974, 0.2056**, and the grayscale version is **25.0979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5205, 0.2935, 0.4837**, and **20.6416, 0.2941, 0.5788** is the 20% darker color. If you saturate the color by 10%, you get **42.7221, 0.2874, 0.5511**, and if you desaturate by 10%, it is **43.7725, 0.2837, 0.5056**.

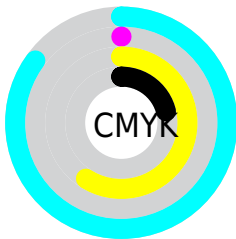
# Distribution



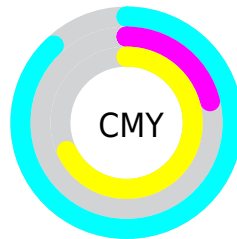
- Red (12%)
- Green (79%)
- Blue (32%)



- Red (12%)
- Yellow (64%)
- Blue (79%)



- Cyan (85%)
- Magenta (0%)
- Yellow (59%)
- Black (21%)




- Cyan (88%)
- Magenta (21%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1263, 0.2848, 0.5299 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 43.1263, 0.2848, 0.5299 by changing the saturation by 10% instead.




 43.1263, 0.2848,  
0.5299


 43.1263, 0.2848,  
0.5299


359.1309, 0.3052,  
0.4196

 29.9842, 0.2772,  
0.5598


 79.9014, 0.2940,  
0.4878

 19.8266, 0.2658,  
0.5991


 104.3032, 0.2969,  
0.4726


 12.2691, 0.2479,  
0.6519


 133.2271, 0.2991,  
0.4599

 6.9272, 0.2196,  
0.7294

 167.0574, 0.3009,  
0.4493

 3.4166, 0.1662,  
0.8338

 206.1786, 0.3023,  
0.4402

 1.3529, 0.0000,  
1.0000

250.9749, 0.3034,


 0.1816, 0.0000,


0.4324


1.0000

301.8309, 0.3044,  
0.4256


 0.0000, 0.0000,  
0.0000

 43.1263, 0.2848,  
0.5299


 43.1263, 0.2848,  
0.5299


 42.7221, 0.2874,  
0.5511

 43.7725, 0.2837,  
0.5056

 42.5801, 0.2889,  
0.5601

 44.6903, 0.2843,  
0.4794

 45.9099, 0.2864,  
0.4525

 47.4565, 0.2897,  
0.4261

 49.3522, 0.2941,  
0.4010

■ 51.6174, 0.2990,  
0.3778

■ 54.2707, 0.3044,  
0.3567

■ 57.3294, 0.3099,  
0.3378

■ 60.8100, 0.3154,  
0.3212

# Harmonies

## Analogous

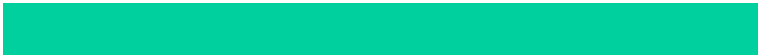
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.1263, 0.3873, 0.5351



43.1263, 0.2848, 0.5299



43.1263, 0.1949, 0.4206

# Triad

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



43.1263, 0.2848, 0.5299



43.1263, 0.1529, 0.1723



43.1263, 0.5163, 0.3177

# Complementary

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



43.1263, 0.2848, 0.5299



15.6900, 0.3974, 0.2056

# 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.



43.1263, 0.4261, 0.2512



43.1263, 0.2848, 0.5299



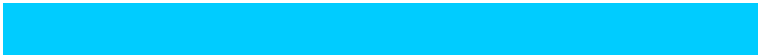
43.1263, 0.2098, 0.1719

# Square

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



43.1263, 0.2848, 0.5299



43.1263, 0.1312, 0.2068



43.1263, 0.3062, 0.1996



43.1263, 0.5310, 0.3912



# Rectangle

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



43.1263, 0.2848, 0.5299



43.1263, 0.1555, 0.3291



43.1263, 0.3062, 0.1996



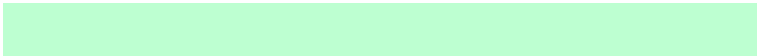
43.1263, 0.4934, 0.2946

# Sweetspot

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



43.1281, 0.2848, 0.5299



86.8906, 0.2984, 0.3805



48.8595, 0.3707, 0.5326



18.3002, 0.2966, 0.3885



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.



43.1281, 0.2848, 0.5299



72.0564, 0.2895, 0.5623



45.3317, 0.2429, 0.3838



12.5918, 0.3075, 0.3456



27.4126, 0.2883, 0.5577



1.4277, 0.2769, 0.5170



# Inverse Universe

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



15.6900, 0.3974, 0.2056



24.4726, 0.4177, 0.2075



13.8616, 0.5618, 0.3023



11.3438, 0.3183, 0.3130



9.3333, 0.4145, 0.2057

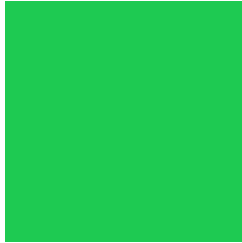


0.4946, 0.3920, 0.1933



# Previews

## White Background



This preview shows how the Yxy color 43.1263, 0.2848, 0.5299 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 43.1263, 0.2848, 0.5299 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 43.1263, 0.2848, 0.5299**

## Background



This preview shows how black text looks on a background with the Yxy color 43.1263, 0.2848, 0.5299.



This preview shows how white text looks on a background with the Yxy color 43.1263, 0.2848, 0.5299.

# 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

43.1263, 0.2848, 0.5299

### Protanopia

42.1040, 0.4123, 0.4525

### Deuteranopia

42.1913, 0.4250, 0.4169



## Tritanopia

42.6878, 0.2351, 0.3053

# Trichromacy



## Original Color

43.1263, 0.2848, 0.5299



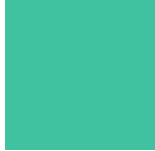
## Protanomaly

39.8851, 0.3477, 0.4898



## Deuteranomaly

39.0558, 0.3540, 0.4650



## Tritanomaly

42.2116, 0.2525, 0.3841

# Monochromacy



## Original Color

43.1263, 0.2848, 0.5299



## Achromatopsia

25.0158, 0.3127, 0.3290



## Achromatomaly

29.3708, 0.2926, 0.4093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1263, 0.2848, 0.5299 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(30, 202, 82)` looks like.

```
.text, #text, p{  
    color:rgb(30, 202, 82)  
}
```

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(30, 202, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 202, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1263, 0.2848, 0.5299 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(30, 202, 82) }
```

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

```
.border{ border-color:rgb(30, 202, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 202, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 202, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 202, 82);  
box-shadow:4px 4px 4px 4px rgb(30, 202,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1263, 0.2848, 0.5299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 202, 82) }
```

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

```
.background{ background-color: rgb(30, 202,  
82) }
```

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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