

# Converting Colors

$Yxy(44.2062, 0.2892, 0.5354)$

Have a look what the booklet for  
Yxy(44.2062, 0.2892, 0.5354)  
contains.

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# Color

**Yxy(44.2072, 0.2892, 0.5354)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29CC4E
RGB	41, 204, 78
RGB Percent	16%, 80%, 31%
CMY	0.8397, 0.2000, 0.6941
CMYK	0.80, 0.00, 0.62, 0.20
HSL	134°, 67%, 48%
HSV	134°, 80%, 80%
XYZ	23.8788, 44.2072, 14.4825
YIQ	140.8990, -56.7020, -73.7420

# Conversions

## Conversions Part 2

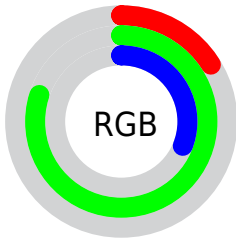
Format	Color
<b>RYB</b>	41, 174, 204
Decimal	2739278
CIELab	72.37, -65.39, 50.26
CIELCh	72, 82.480, 142.453
Yxy	44.2072, 0.2892, 0.5354
Android (android.graphics.Color)	4280929358 (0xFF29CC4E)
YUV	140.8990, -31.0092, -87.6114
Hunter-Lab	66.4885, -52.2480, 33.6274

# Details

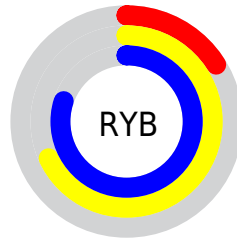
The Yxy color **44.2072, 0.2892, 0.5354** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.2015, 0.3713, 0.1956**, and the grayscale version is **26.7218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8035, 0.2978, 0.4875**, and **21.2377, 0.2960, 0.5856** is the 20% darker color. If you saturate the color by 10%, you get **43.6943, 0.2908, 0.5581**, and if you desaturate by 10%, it is **44.9948, 0.2889, 0.5089**.

# Distribution



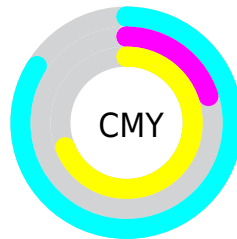
- Red (16%)
- Green (80%)
- Blue (31%)



- Red (16%)
- Yellow (68%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (62%)
- Black (20%)



- Cyan (84%)
- Magenta (20%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.2072, 0.2892, 0.5354 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 44.2072, 0.2892, 0.5354 by changing the saturation by 10% instead.





 44.2072, 0.2892,  
0.5354

 44.2072, 0.2892,  
0.5354

363.5531, 0.3078,  
0.4228


 30.8334, 0.2819,  
0.5656


 81.5294, 0.2978,  
0.4927

 20.4720, 0.2708,  
0.6049


 106.2467, 0.3005,  
0.4771


 12.7386, 0.2532,  
0.6571


 135.5139, 0.3025,  
0.4642

 7.2488, 0.2258,  
0.7349

 169.7155, 0.3041,  
0.4533

 3.6182, 0.1730,  
0.8270

 209.2358, 0.3053,  
0.4439

 1.4624, 0.0000,  
1.0000

254.4592, 0.3063,

 0.2620, 0.0000,


0.4359


1.0000

305.7702, 0.3071,  
0.4289


 0.0000, 0.0000,  
0.0000


 44.2072, 0.2892,  
0.5354


 44.2072, 0.2892,  
0.5354

 43.6943, 0.2908,  
0.5581


 44.9948, 0.2889,  
0.5089


 43.3916, 0.2933,  
0.5760

 46.0848, 0.2901,  
0.4802

 43.3907, 0.2933,  
0.5760

 47.5072, 0.2924,  
0.4509

 49.2868, 0.2956,  
0.4224

 51.4463, 0.2995,  
0.3954

■ 54.0061, 0.3038,  
0.3708

■ 56.9853, 0.3083,  
0.3486

■ 60.4020, 0.3127,  
0.3289

■ 64.2727, 0.3171,  
0.3117

# Harmonies

## Analogous

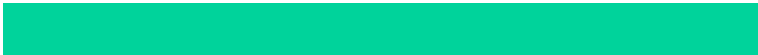
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.2072, 0.3924, 0.5349



44.2072, 0.2892, 0.5354



44.2072, 0.1973, 0.4286

# Triad

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



44.2072, 0.2892, 0.5354



44.2072, 0.1497, 0.1717



44.2072, 0.5156, 0.3138

# Complementary

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



44.2072, 0.2892, 0.5354



17.2015, 0.3713, 0.1956

# 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.



44.2072, 0.4215, 0.2474



44.2072, 0.2892, 0.5354



44.2072, 0.2050, 0.1700

# Square

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



44.2072, 0.2892, 0.5354



44.2072, 0.1295, 0.2083



44.2072, 0.3004, 0.1965



44.2072, 0.5341, 0.3874



# Rectangle

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



44.2072, 0.2892, 0.5354



44.2072, 0.1563, 0.3353



44.2072, 0.3004, 0.1965



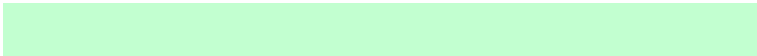
44.2072, 0.4912, 0.2907

# Sweetspot

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



44.2090, 0.2892, 0.5354



87.5037, 0.3019, 0.3812



51.7471, 0.3825, 0.5170



18.4080, 0.3004, 0.3902



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.



44.2090, 0.2892, 0.5354



71.9782, 0.2928, 0.5715



46.1202, 0.2505, 0.4031



12.5781, 0.3085, 0.3474



27.3198, 0.2927, 0.5739



1.4213, 0.2820, 0.5353



# Inverse Universe

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



17.2015, 0.3713, 0.1956



25.6180, 0.3865, 0.1916



15.1057, 0.5170, 0.2848



11.3583, 0.3172, 0.3113



9.6391, 0.3878, 0.1910

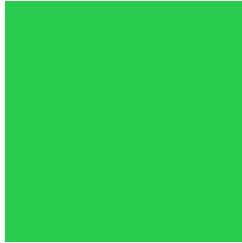


0.5083, 0.3722, 0.1824



# Previews

## White Background



This preview shows how the Yxy color 44.2072, 0.2892, 0.5354 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 44.2072, 0.2892, 0.5354 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 44.2072, 0.2892, 0.5354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.2072, 0.2892, 0.5354.



This preview shows how white text looks on a background with the Yxy color 44.2072, 0.2892, 0.5354.

# 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

44.2072, 0.2892, 0.5354

### Protanopia

43.2286, 0.4161, 0.4565

### Deuteranopia

42.9576, 0.4294, 0.4198



## Tritanopia

43.8904, 0.2368, 0.3056

# Trichromacy



## Original Color

44.2072, 0.2892, 0.5354



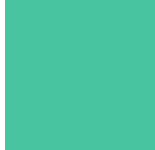
## Protanomaly

41.1743, 0.3545, 0.4934



## Deuteranomaly

39.9738, 0.3612, 0.4672



## Tritanomaly

43.3956, 0.2561, 0.3865

# Monochromacy



## Original Color

44.2072, 0.2892, 0.5354



## Achromatopsia

26.6356, 0.3127, 0.3290



## Achromatomaly

30.8622, 0.2977, 0.4107

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.2072, 0.2892, 0.5354 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, 204, 78)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 78)  
}
```

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, 204, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 44.2072, 0.2892, 0.5354 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, 204, 78) }
```

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

```
.border{ border-color:rgb(41, 204, 78) }
```

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

Here you see how a box with a 4 pixel rgb(41, 204, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 78);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.2072, 0.2892, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 78) }
```

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

```
.background{ background-color: rgb(41, 204,  
78) }
```

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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