

Converting Colors

$Y_{xy}(42.4565, 0.2849, 0.5455)$

Have a look what the booklet for
Yxy(42.4565, 0.2849, 0.5455)
contains.

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Color

Yxy(42.2412, 0.2849, 0.5456)

Conversions

Conversions Part 1

Format	Color
Hex	00C948
RGB	0, 201, 72
RGB Percent	0%, 79%, 28%
CMY	0.9996, 0.2118, 0.7176
CMYK	1.00, 0.00, 0.64, 0.21
HSL	141°, 100%, 39%
HSV	141°, 100%, 79%
XYZ	22.0574, 42.2412, 13.1230
YIQ	126.1950, -78.3870, -82.7310

Conversions

Conversions Part 2

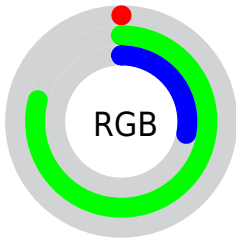
Format	Color
RYB	0, 148, 201
Decimal	51528
CIELab	71.04, -67.90, 51.27
CIELCh	71, 85.081, 142.942
Yxy	42.2412, 0.2849, 0.5456
Android (android.graphics.Color)	4278241608 (0xFF00C948)
YUV	126.1950, -26.7181, -110.6730
Hunter-Lab	64.9932, -53.1588, 33.5239

Details

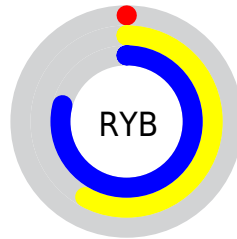
The Yxy color **42.2412, 0.2849, 0.5456** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **14.0072, 0.4378, 0.2186**, and the grayscale version is **21.0579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8254, 0.2948, 0.4974**, and **20.2750, 0.2982, 0.5936** is the 20% darker color. If you saturate the color by 10%, you get **42.2415, 0.2849, 0.5457**, and if you desaturate by 10%, it is **42.5796, 0.2817, 0.5257**.

Distribution



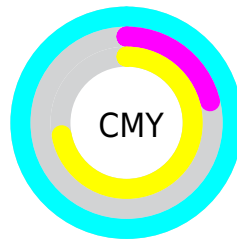
- Red (0%)
- Green (79%)
- Blue (28%)



- Red (0%)
- Yellow (58%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2412, 0.2849, 0.5456 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 42.2412, 0.2849, 0.5456 by changing the saturation by 10% instead.


 42.2412, 0.2849,
0.5456

 42.2412, 0.2849,
0.5456

355.4818, 0.3064,
0.4263

 29.2902, 0.2765,
0.5779


 78.5645, 0.2948,
0.5001


 19.3005, 0.2638,
0.6199


 102.7057, 0.2979,
0.4836

 11.8876, 0.2436,
0.6758


 131.3456, 0.3002,
0.4699

 6.6672, 0.2146,
0.7674

 164.8688, 0.3020,
0.4584

 3.2548, 0.1459,
0.8541

 203.6597, 0.3035,
0.4486

 1.2662, 0.0000,
1.0000

248.1025, 0.3046,

 0.1148, 0.0000,

0.4401

1.0000

298.5818, 0.3056,
0.4327

■ 0.0000, 0.0000,
0.0000

■ 42.2412, 0.2849,
0.5456

■ 42.2412, 0.2849,
0.5456

■ 42.2415, 0.2849,
0.5457

■ 42.5796, 0.2817,
0.5257

■ 43.1099, 0.2799,
0.5033

■ 43.8891, 0.2798,
0.4791

■ 44.9474, 0.2815,
0.4542

■ 46.3107, 0.2847,
0.4295

■ 48.0015, 0.2891,
0.4058

■ 50.0404, 0.2944,
0.3837

■ 52.4459, 0.3003,
0.3634

■ 55.2356, 0.3065,
0.3452

Harmonies

Analogous

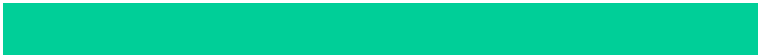
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.2412, 0.3916, 0.5438



42.2412, 0.2849, 0.5456



42.2412, 0.1907, 0.4312

Triad

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



42.2412, 0.2849, 0.5456



42.2412, 0.1449, 0.1659



42.2412, 0.5257, 0.3131

Complementary

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



42.2412, 0.2849, 0.5456



14.0072, 0.4378, 0.2186

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.



42.2412, 0.4283, 0.2451



42.2412, 0.2849, 0.5456



42.2412, 0.2020, 0.1649

Square

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



42.2412, 0.2849, 0.5456



42.2412, 0.1236, 0.2021



42.2412, 0.3013, 0.1925



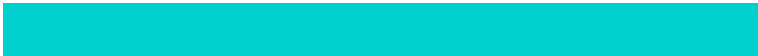
42.2412, 0.5422, 0.3884

Rectangle

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



42.2412, 0.2849, 0.5456



42.2412, 0.1494, 0.3325



42.2412, 0.3013, 0.1925



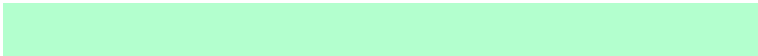
42.2412, 0.5008, 0.2895

Sweetspot

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



42.2429, 0.2849, 0.5456



85.4948, 0.2941, 0.3847



46.5747, 0.3588, 0.5533



17.9666, 0.2918, 0.3940



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.



42.2429, 0.2849, 0.5456



72.2801, 0.2856, 0.5481



44.7101, 0.2381, 0.3772



11.9496, 0.3068, 0.3442



26.5752, 0.2842, 0.5430



1.2722, 0.2720, 0.4994

Inverse Universe

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



14.0072, 0.4378, 0.2186



23.9303, 0.4399, 0.2197



12.5148, 0.6203, 0.3191



10.7497, 0.3191, 0.3143



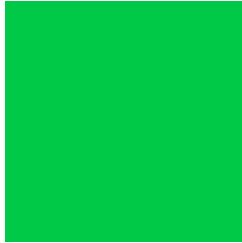
8.8231, 0.4357, 0.2174



0.4312, 0.4059, 0.2009

Previews

White Background



This preview shows how the Yxy color 42.2412, 0.2849, 0.5456 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 42.2412, 0.2849, 0.5456 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 42.2412, 0.2849, 0.5456

Background



This preview shows how black text looks on a background with the Yxy color 42.2412, 0.2849, 0.5456.



This preview shows how white text looks on a background with the Yxy color 42.2412, 0.2849, 0.5456.

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

42.2412, 0.2849, 0.5456

Protanopia

41.5948, 0.4191, 0.4604

Deuteranopia

41.3216, 0.4335, 0.4237



Tritanopia

42.0276, 0.2345, 0.3065

Trichromacy



Original Color

42.2412, 0.2849, 0.5456



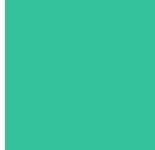
Protanomaly

38.4832, 0.3438, 0.5066



Deuteranomaly

37.2430, 0.3513, 0.4795



Tritanomaly

41.2366, 0.2509, 0.3919

Monochromacy



Original Color

42.2412, 0.2849, 0.5456



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.5285, 0.2861, 0.4221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2412, 0.2849, 0.5456 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(0, 201, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 72)  
}
```

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(0, 201, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 72) }
```

Border

The CSS property to change the border of an element to Yxy 42.2412, 0.2849, 0.5456 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(0, 201, 72) }
```

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

```
.border{ border-color:rgb(0, 201, 72) }
```

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

Here you see how a box with a 4 pixel rgb(0, 201, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 72)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.2412, 0.2849, 0.5456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 72) }
```

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

```
.background{ background-color: rgb(0, 201,  
72) }
```

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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