

Converting Colors

$Y_{xy}(42.5727, 0.2758, 0.5129)$

Have a look what the booklet for
Yxy(42.5727, 0.2758, 0.5129)
contains.

Yxy(42.5814, 0.2757, 0.5125)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5814, 0.2757, 0.5125)

Conversions

Conversions Part 1

Format	Color
Hex	00C95E
RGB	0, 201, 94
RGB Percent	0%, 79%, 37%
CMY	0.9998, 0.2118, 0.6314
CMYK	1.00, 0.00, 0.53, 0.21
HSL	148°, 100%, 39%
HSV	148°, 100%, 79%
XYZ	22.9067, 42.5814, 17.5975
YIQ	128.7030, -85.4490, -75.8890

Conversions

Conversions Part 2

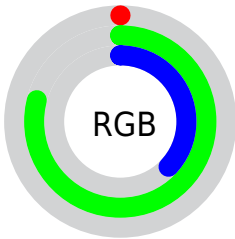
Format	Color
RYB	0, 137, 201
Decimal	51550
CIELab	71.27, -65.01, 41.52
CIELCh	71, 77.138, 147.431
Yxy	42.5814, 0.2757, 0.5125
Android (android.graphics.Color)	4278241630 (0xFF00C95E)
YUV	128.7030, -17.1086, -112.8725
Hunter-Lab	65.2544, -51.5351, 29.6890

Details

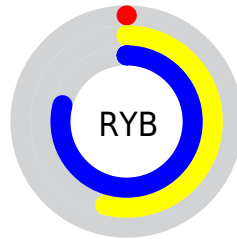
The Yxy color **42.5814, 0.2757, 0.5125** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.4816, 0.4832, 0.2436**, and the grayscale version is **21.9316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3933, 0.2852, 0.4696**, and **20.4252, 0.2881, 0.5572** is the 20% darker color. If you saturate the color by 10%, you get **42.5825, 0.2757, 0.5125**, and if you desaturate by 10%, it is **42.9387, 0.2727, 0.4937**.

Distribution



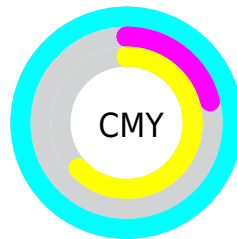
- Red (0%)
- Green (79%)
- Blue (37%)



- Red (0%)
- Yellow (54%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (21%)




- Cyan (100%)
- Magenta (21%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5814, 0.2757, 0.5125 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 42.5814, 0.2757, 0.5125 by changing the saturation by 10% instead.

 42.5814, 0.2757,
0.5125

 42.5814, 0.2757,
0.5125


356.8874, 0.2995,
0.4114


 29.5568, 0.2677,
0.5404


 79.0788, 0.2858,
0.4737


 19.5024, 0.2563,
0.5774


 103.3204, 0.2891,
0.4597


 12.0339, 0.2387,
0.6282


 132.0698, 0.2918,
0.4482

 6.7668, 0.2101,
0.7002

 165.7114, 0.2939,
0.4385

 3.3167, 0.1641,
0.8359

 204.6295, 0.2957,
0.4302

 1.2992, 0.0000,
1.0000

249.2087, 0.2972,


 0.1406, 0.0000,

0.4231


1.0000

299.8332, 0.2984,
0.4169


 0.0000, 0.0000,
0.0000


 42.5814, 0.2757,
0.5125


 42.5814, 0.2757,
0.5125


 42.5825, 0.2757,
0.5125

 42.9387, 0.2727,
0.4937

 43.4778, 0.2712,
0.4737

 44.2552, 0.2716,
0.4529

 45.3002, 0.2740,
0.4320

 46.6378, 0.2781,
0.4116

■ 48.2900, 0.2836,
0.3922

■ 50.2765, 0.2900,
0.3741

■ 52.6155, 0.2972,
0.3575

■ 55.3237, 0.3049,
0.3424

Harmonies

Analogous

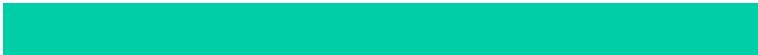
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.5814, 0.3750, 0.5314



42.5814, 0.2757, 0.5125



42.5814, 0.1916, 0.4011

Triad

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



42.5814, 0.2757, 0.5125



42.5814, 0.1625, 0.1758



42.5814, 0.5138, 0.3273

Complementary

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



42.5814, 0.2757, 0.5125



13.4816, 0.4832, 0.2436

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.



42.5814, 0.4343, 0.2612



42.5814, 0.2757, 0.5125



42.5814, 0.2225, 0.1786

Square

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



42.5814, 0.2757, 0.5125



42.5814, 0.1375, 0.2055



42.5814, 0.3198, 0.2085



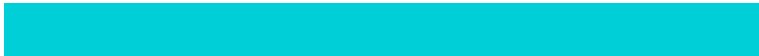
42.5814, 0.5203, 0.3999

Rectangle

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



42.5814, 0.2757, 0.5125



42.5814, 0.1562, 0.3158



42.5814, 0.3198, 0.2085



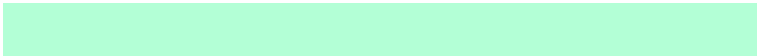
42.5814, 0.4946, 0.3044

Sweetspot

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



42.5831, 0.2757, 0.5125



85.9127, 0.2897, 0.3748



44.9146, 0.3409, 0.5675



18.0646, 0.2869, 0.3824



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

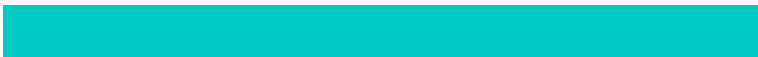
The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.5831, 0.2757, 0.5125



72.8569, 0.2764, 0.5150



45.6840, 0.2275, 0.3390



11.9690, 0.3054, 0.3416



26.7913, 0.2750, 0.5099



1.2832, 0.2638, 0.4698

Inverse Universe

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



13.4816, 0.4832, 0.2436



23.0317, 0.4861, 0.2451



12.4337, 0.6369, 0.3282



10.7298, 0.3208, 0.3168



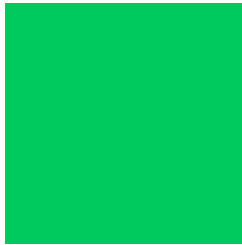
8.4943, 0.4803, 0.2420



0.4167, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 42.5814, 0.2757, 0.5125 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 42.5814, 0.2757, 0.5125 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 42.5814, 0.2757, 0.5125

Background



This preview shows how black text looks on a background with the Yxy color 42.5814, 0.2757, 0.5125.



This preview shows how white text looks on a background with the Yxy color 42.5814, 0.2757, 0.5125.

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

42.5814, 0.2757, 0.5125

Protanopia

41.7495, 0.4046, 0.4408

Deuteranopia

41.5912, 0.4137, 0.4050



Tritanopia

42.3745, 0.2332, 0.3066

Trichromacy



Original Color

42.5814, 0.2757, 0.5125



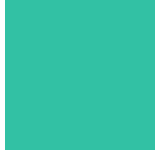
Protanomaly

38.7091, 0.3310, 0.4795



Deuteranomaly

37.8292, 0.3349, 0.4516



Tritanomaly

41.4984, 0.2456, 0.3763

Monochromacy



Original Color

42.5814, 0.2757, 0.5125



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.4975, 0.2801, 0.4044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5814, 0.2757, 0.5125 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, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 94)  
}
```

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, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 94) }
```

Border

The CSS property to change the border of an element to Yxy 42.5814, 0.2757, 0.5125 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, 94) }
```

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

```
.border{ border-color:rgb(0, 201, 94) }
```

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, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 201, 94)  
}
```


Background

The CSS property to change the background color of an element to Yxy 42.5814, 0.2757, 0.5125 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, 94) }
```

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

```
.background{ background-color: rgb(0, 201,  
94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor