

Converting Colors

$Y_{xy}(47.0088, 0.2132, 0.5515)$

Have a look what the booklet for
Yxy(47.0088, 0.2132, 0.5515)
contains.

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Color

Yxy(52.1065, 0.2771, 0.5177)

Conversions

Conversions Part 1

Format	Color
Hex	00DC64
RGB	0, 220, 100
RGB Percent	0%, 86%, 39%
CMY	1.0000, 0.1372, 0.6077
CMYK	1.00, 0.00, 0.55, 0.14
HSL	147°, 100%, 43%
HSV	147°, 100%, 86%
XYZ	27.8901, 52.1065, 20.6534
YIQ	140.5400, -92.6000, -83.9600

Conversions

Conversions Part 2

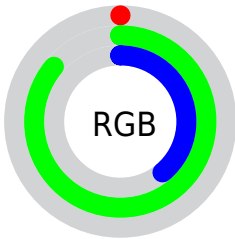
Format	Color
RYB	0, 151, 220
Decimal	56420
CIELab	77.34, -70.09, 46.02
CIELCh	77, 83.850, 146.709
Yxy	52.1065, 0.2771, 0.5177
Android (android.graphics.Color)	4278246500 (0xFF00DC64)
YUV	140.5400, -19.9862, -123.2536
Hunter-Lab	72.1848, -57.3563, 33.5654

Details

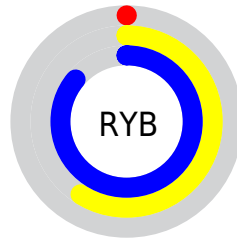
The Yxy color **52.1065, 0.2771, 0.5177** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.5723, 0.4790, 0.2412**, and the grayscale version is **26.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8841, 0.2845, 0.4609**, and **26.4078, 0.2887, 0.5593** is the 20% darker color. If you saturate the color by 10%, you get **52.1118, 0.2771, 0.5177**, and if you desaturate by 10%, it is **52.5322, 0.2739, 0.4987**.

Distribution



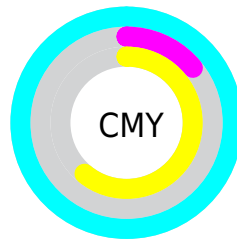
- Red (0%)
- Green (86%)
- Blue (39%)



- Red (0%)
- Yellow (59%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1065, 0.2771, 0.5177 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 52.1065, 0.2771, 0.5177 by changing the saturation by 10% instead.

 52.1065, 0.2771,
0.5177


 52.1065, 0.2771,
0.5177


394.8476, 0.2999,
0.4169

 37.0900, 0.2697,
0.5442


 93.2883, 0.2866,
0.4799

 25.2772, 0.2593,
0.5786


 120.2223, 0.2898,
0.4660


 16.2837, 0.2438,
0.6245


 151.8977, 0.2924,
0.4544

 9.7251, 0.2194,
0.6872

 188.6987, 0.2945,
0.4446

 5.2171, 0.1860,
0.8020

 231.0098, 0.2962,
0.4362

 2.3752, 0.0458,
0.9542

279.2154, 0.2976,

 0.8131, 0.0000,

0.4289

1.0000

333.6999, 0.2989,
0.4225

■ 0.0000, 0.0000,
0.0000

■ 52.1065, 0.2771,
0.5177

■ 52.1065, 0.2771,
0.5177

■ 52.1118, 0.2771,
0.5177

■ 52.5322, 0.2739,
0.4987

■ 53.1826, 0.2722,
0.4782

■ 54.1278, 0.2726,
0.4569

■ 55.4048, 0.2748,
0.4354

■ 57.0452, 0.2787,
0.4143

■ 59.0763, 0.2840,
0.3943

■ 61.5231, 0.2904,
0.3755

■ 64.4081, 0.2975,
0.3584

■ 67.7525, 0.3050,
0.3429

Harmonies

Analogous

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



52.1065, 0.3776, 0.5336



52.1065, 0.2771, 0.5177



52.1065, 0.1914, 0.4055

Triad

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



52.1065, 0.2771, 0.5177



52.1065, 0.1597, 0.1742



52.1065, 0.5158, 0.3252

Complementary

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



52.1065, 0.2771, 0.5177



16.5723, 0.4790, 0.2412

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.



52.1065, 0.4335, 0.2587



52.1065, 0.2771, 0.5177



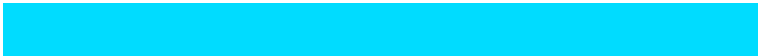
52.1065, 0.2193, 0.1764

Square

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



52.1065, 0.2771, 0.5177



52.1065, 0.1353, 0.2049



52.1065, 0.3170, 0.2060



52.1065, 0.5238, 0.3982

Rectangle

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



52.1065, 0.2771, 0.5177



52.1065, 0.1551, 0.3182



52.1065, 0.3170, 0.2060



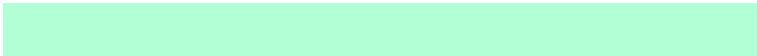
52.1065, 0.4957, 0.3021

Sweetspot

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



52.1118, 0.2771, 0.5177



85.8628, 0.2902, 0.3760



55.2563, 0.3429, 0.5659



18.0529, 0.2874, 0.3838



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.



52.1118, 0.2771, 0.5177



72.7798, 0.2775, 0.5191



55.7948, 0.2290, 0.3443



14.7042, 0.3054, 0.3420



30.6031, 0.2764, 0.5149



1.9999, 0.2676, 0.4833

Inverse Universe

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



16.5723, 0.4790, 0.2412



23.1255, 0.4806, 0.2421



15.2412, 0.6358, 0.3276



13.1697, 0.3207, 0.3163



9.7480, 0.4759, 0.2395



0.6488, 0.4438, 0.2218

Previews

White Background



This preview shows how the Yxy color 52.1065, 0.2771, 0.5177 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 52.1065, 0.2771, 0.5177 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 52.1065, 0.2771, 0.5177

Background



This preview shows how black text looks on a background with the Yxy color 52.1065, 0.2771, 0.5177.

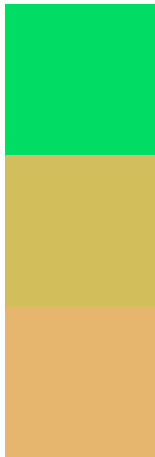


This preview shows how white text looks on a background with the Yxy color 52.1065, 0.2771, 0.5177.

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

52.1065, 0.2771, 0.5177

Protanopia

51.2667, 0.4066, 0.4450

Deuteranopia

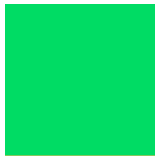
50.9965, 0.4164, 0.4085



Tritanopia

51.9859, 0.2329, 0.3057

Trichromacy



Original Color

52.1065, 0.2771, 0.5177



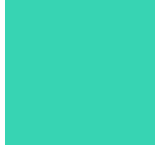
Protanomaly

47.6498, 0.3325, 0.4840



Deuteranomaly

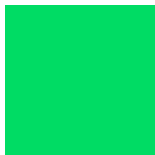
46.1818, 0.3366, 0.4576



Tritanomaly

51.1539, 0.2460, 0.3784

Monochromacy



Original Color

52.1065, 0.2771, 0.5177



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.4295, 0.2808, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1065, 0.2771, 0.5177 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, 220, 100)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 100)  
}
```

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, 220, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 100) }
```

Border

The CSS property to change the border of an element to Yxy 52.1065, 0.2771, 0.5177 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, 220, 100) }
```

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

```
.border{ border-color:rgb(0, 220, 100) }
```

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

Here you see how a box with a 4 pixel rgb(0, 220, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 100);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1065, 0.2771, 0.5177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 100) }
```

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

```
.background{ background-color: rgb(0, 220,  
100) }
```

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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