

# Converting Colors

$Y_{xy}(52.5024, 0.2908, 0.5670)$

Have a look what the booklet for  
Yxy(52.5024, 0.2908, 0.5670)  
contains.

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# Color

**Yxy(52.5795, 0.2909, 0.5673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DE3D
RGB	0, 222, 61
RGB Percent	0%, 87%, 24%
CMY	1.0000, 0.1294, 0.7608
CMYK	1.00, 0.00, 0.73, 0.13
HSL	136°, 100%, 44%
HSV	136°, 100%, 87%
XYZ	26.9617, 52.5795, 13.1426
YIQ	137.2680, -80.6310, -97.1350

# Conversions

## Conversions Part 2

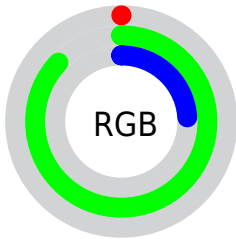
Format	Color
<a href="#">RYB</a>	<a href="#">0, 174, 222</a>
Decimal	<a href="#">56893</a>
CIELab	<a href="#">77.63, -75.03, 62.58</a>
CIELCh	<a href="#">78, 97.706, 140.169</a>
Yxy	<a href="#">52.5795, 0.2909, 0.5673</a>
Android (android.graphics.Color)	<a href="#">4278246973 (0xFF00DE3D)</a>
YUV	<a href="#">137.2680, -37.6001, -120.3840</a>
Hunter-Lab	<a href="#">72.5117, -60.5247, 40.0121</a>

# Details

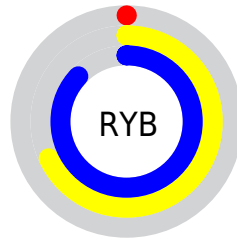
The Yxy color **52.5795, 0.2909, 0.5673** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **18.1039, 0.4064, 0.2013**, and the grayscale version is **25.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0556, 0.3009, 0.5055**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.5829, 0.2909, 0.5673**, and if you desaturate by 10%, it is **52.9561, 0.2879, 0.5485**.

# Distribution



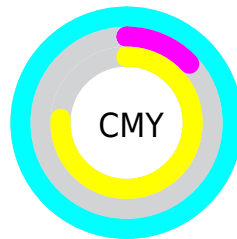
- Red (0%)
- Green (87%)
- Blue (24%)



- Red (0%)
- Yellow (68%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (73%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.5795, 0.2909, 0.5673 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 52.5795, 0.2909, 0.5673 by changing the saturation by 10% instead.





 52.5795, 0.2909,  
0.5673

 52.5795, 0.2909,  
0.5673


396.6697, 0.3109,  
0.4410


 37.4672, 0.2827,  
0.5991


 93.9853, 0.3005,  
0.5207


 25.5694, 0.2704,  
0.6390


 121.0476, 0.3035,  
0.5034


 16.5018, 0.2512,  
0.6894


 152.8620, 0.3056,  
0.4888

 9.8799, 0.2237,  
0.7639

 189.8130, 0.3073,  
0.4763

 5.3194, 0.1710,  
0.8290

 232.2848, 0.3085,  
0.4656

 2.4359, 0.0094,  
0.9906

280.6620, 0.3095,

 0.8443, 0.0000,

0.4563

1.0000

335.3288, 0.3103,  
0.4482

■ 0.0000, 0.0000,  
0.0000

■ 52.5795, 0.2909,  
0.5673

■ 52.5795, 0.2909,  
0.5673

■ 52.5829, 0.2909,  
0.5673

■ 52.9561, 0.2879,  
0.5485

■ 53.5843, 0.2860,  
0.5256

■ 54.5359, 0.2857,  
0.4996

■ 55.8511, 0.2869,  
0.4720

■ 57.5639, 0.2895,  
0.4441

■ 59.7042, 0.2932,  
0.4171

■ 62.2992, 0.2976,  
0.3917

■ 65.3735, 0.3025,  
0.3684

■ 68.9503, 0.3076,  
0.3475

# Harmonies

## Analogous

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



52.5795, 0.4022, 0.5496



52.5795, 0.2909, 0.5673



52.5795, 0.1903, 0.4536

# Triad

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



52.5795, 0.2909, 0.5673



52.5795, 0.1336, 0.1596



52.5795, 0.5330, 0.3034

# Complementary

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



52.5795, 0.2909, 0.5673



18.1039, 0.4064, 0.2013

# 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.



52.5795, 0.4231, 0.2343



52.5795, 0.2909, 0.5673



52.5795, 0.1887, 0.1561

# Square

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



52.5795, 0.2909, 0.5673



52.5795, 0.1148, 0.2002



52.5795, 0.2885, 0.1820



52.5795, 0.5566, 0.3800



# Rectangle

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



52.5795, 0.2909, 0.5673



52.5795, 0.1450, 0.3452



52.5795, 0.2885, 0.1820



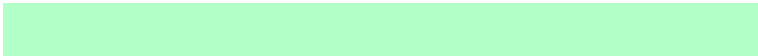
52.5795, 0.5041, 0.2793

# Sweetspot

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



52.5829, 0.2909, 0.5673



85.1920, 0.2975, 0.3923



60.0119, 0.3724, 0.5425



17.8962, 0.2955, 0.4028



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.



52.5829, 0.2909, 0.5673



71.9631, 0.2913, 0.5685



55.1560, 0.2463, 0.4068



15.3988, 0.3078, 0.3465



31.2474, 0.2902, 0.5648



2.1808, 0.2817, 0.5342



# Inverse Universe

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



18.1039, 0.4064, 0.2013



24.7598, 0.4072, 0.2017



15.7768, 0.6008, 0.3083



13.8680, 0.3180, 0.3122



10.7723, 0.4049, 0.2004

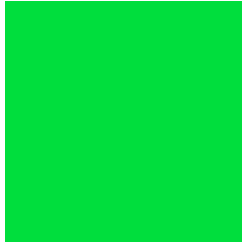


0.7615, 0.3890, 0.1917



# Previews

## White Background



This preview shows how the Yxy color 52.5795, 0.2909, 0.5673 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 52.5795, 0.2909, 0.5673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

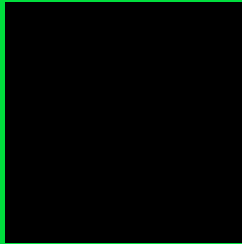
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.5795, 0.2909, 0.5673**

## Background



This preview shows how black text looks on a background with the Yxy color 52.5795, 0.2909, 0.5673.

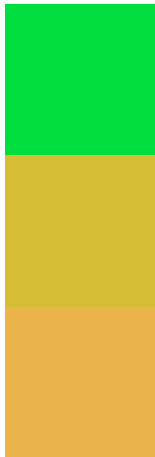


This preview shows how white text looks on a background with the Yxy color 52.5795, 0.2909, 0.5673.

# 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

52.5795, 0.2909, 0.5673

### Protanopia

51.2301, 0.4284, 0.4720

### Deuteranopia

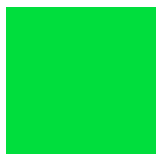
51.4024, 0.4449, 0.4363



## Tritanopia

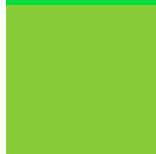
52.2316, 0.2347, 0.3058

# Trichromacy



## Original Color

52.5795, 0.2909, 0.5673



## Protanomaly

47.7608, 0.3514, 0.5247



## Deuteranomaly

46.4188, 0.3596, 0.4990



## Tritanomaly

50.7031, 0.2536, 0.4009

# Monochromacy



## Original Color

52.5795, 0.2909, 0.5673



## Achromatopsia

25.0158, 0.3127, 0.3290



## Achromatomaly

31.1356, 0.2906, 0.4372

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  52.5795, 0.2909, 0.5673 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, 222, 61)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 61)  
}
```

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, 222, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 52.5795, 0.2909, 0.5673 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, 222, 61) }
```

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

```
.border{ border-color:rgb(0, 222, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 61);  
box-shadow:4px 4px 4px 4px rgb(0, 222, 61)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 52.5795, 0.2909, 0.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 61) }
```

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

```
.background{ background-color: rgb(0, 222,  
61) }
```

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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