

# Converting Colors

$Yxy(52.4504, 0.2974, 0.5355)$

Have a look what the booklet for  
Yxy(52.4504, 0.2974, 0.5355)  
contains.

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**Color**

**Yxy(52.4504, 0.2974, 0.5355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	43DB51
RGB	67, 219, 81
RGB Percent	26%, 86%, 32%
CMY	0.7373, 0.1412, 0.6825
CMYK	0.69, 0.00, 0.63, 0.14
HSL	126°, 68%, 56%
HSV	126°, 69%, 86%
XYZ	29.1293, 52.4504, 16.3669
YIQ	157.8200, -46.2940, -75.1420

# Conversions

## Conversions Part 2

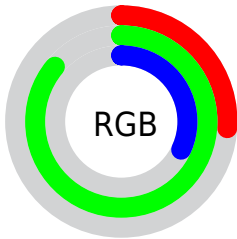
Format	Color
<a href="#">RYB</a>	<a href="#">67, 206, 219</a>
Decimal	<a href="#">4447057</a>
CIELab	<a href="#">77.55, -66.12, 54.95</a>
CIElCh	<a href="#">78, 85.977, 140.272</a>
Yxy	<a href="#">52.4504, 0.2974, 0.5355</a>
Android (android.graphics.Color)	<a href="#">4282637137</a> ( <a href="#">0xFF43DB51</a> )
YUV	<a href="#">157.8200, -37.8723, -79.6491</a>
Hunter-Lab	<a href="#">72.4226, -54.9446, 37.2968</a>

# Details

The Yxy color **52.4504, 0.2974, 0.5355** 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 **23.4811, 0.3358, 0.1867**, and the grayscale version is **34.2937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3376, 0.3052, 0.4785**, and **26.2523, 0.2968, 0.5883** is the 20% darker color. If you saturate the color by 10%, you get **51.5639, 0.2971, 0.5619**, and if you desaturate by 10%, it is **53.7210, 0.2985, 0.5045**.

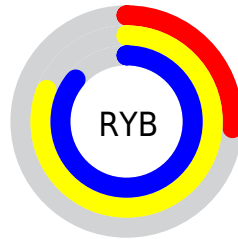
# Distribution



Red (26%)

Green (86%)

Blue (32%)



Red (26%)

Yellow (81%)

Blue (86%)

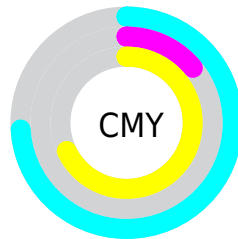


Cyan (69%)

Magenta (0%)

Yellow (63%)

Black (14%)



Cyan (74%)

Magenta (14%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4504, 0.2974, 0.5355 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 52.4504, 0.2974, 0.5355 by changing the saturation by 10% instead.





 52.4504, 0.2974,  
0.5355


 52.4504, 0.2974,  
0.5355


396.1729, 0.3118,  
0.4263


 37.3642, 0.2914,  
0.5634


 93.7951, 0.3044,  
0.4950


 25.4896, 0.2823,  
0.5991


 120.8225, 0.3065,  
0.4800

 16.4422, 0.2677,  
0.6452


 152.5990, 0.3081,  
0.4674

 9.8376, 0.2440,  
0.7068

 189.5091, 0.3092,  
0.4567

 5.2914, 0.2053,  
0.7947

 231.9371, 0.3101,  
0.4474

 2.4192, 0.0876,  
0.9124

280.2675, 0.3108,

 0.8358, 0.0000,

0.4394

1.0000

334.8847, 0.3114,  
0.4324

■ 0.0000, 0.0000,  
0.0000

■ 52.4504, 0.2974,  
0.5355

■ 52.4504, 0.2974,  
0.5355

■ 51.5639, 0.2971,  
0.5619

■ 53.7210, 0.2985,  
0.5045

■ 51.0122, 0.2976,  
0.5817

■ 55.4057, 0.3003,  
0.4714

■ 50.7300, 0.2985,  
0.5941


■ 57.5389, 0.3025,  
0.4381


■ 50.7175, 0.2985,  
0.5946

■ 60.1495, 0.3051,  
0.4063

■ 63.2641, 0.3077,  
0.3771

 66.9074, 0.3103,  
0.3509

 71.1022, 0.3129,  
0.3277

 75.8703, 0.3152,  
0.3076

 79.1464, 0.3144,  
0.2940

# Harmonies

## Analogous

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



52.4504, 0.3992, 0.5288



52.4504, 0.2974, 0.5355



52.4504, 0.2046, 0.4369

# Triad

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



52.4504, 0.2974, 0.5355



52.4504, 0.1490, 0.1749



52.4504, 0.5081, 0.3094

# Complementary

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



52.4504, 0.2974, 0.5355



23.4811, 0.3358, 0.1867

# 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.



52.4504, 0.4114, 0.2442



52.4504, 0.2974, 0.5355



52.4504, 0.2011, 0.1709

# Square

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



52.4504, 0.2974, 0.5355



52.4504, 0.1313, 0.2144



52.4504, 0.2926, 0.1952



52.4504, 0.5326, 0.3820



# Rectangle

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



52.4504, 0.2974, 0.5355



52.4504, 0.1618, 0.3450



52.4504, 0.2926, 0.1952



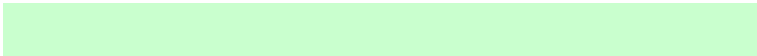
52.4504, 0.4822, 0.2865

# Sweetspot

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



52.4526, 0.2974, 0.5355



88.4747, 0.3072, 0.3820



64.2415, 0.3958, 0.4900



18.6672, 0.3065, 0.3900



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.



52.4526, 0.2974, 0.5355



72.3982, 0.2972, 0.5713



54.2478, 0.2629, 0.4242



14.6256, 0.3103, 0.3509



30.0781, 0.2982, 0.5934



1.9554, 0.2932, 0.5755



# Inverse Universe

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



23.4811, 0.3358, 0.1867



29.0415, 0.3408, 0.1731



20.6932, 0.4446, 0.2608



13.2531, 0.3152, 0.3080



11.3793, 0.3454, 0.1676



0.7434, 0.3409, 0.1652



# Previews

## White Background



This preview shows how the Yxy color 52.4504, 0.2974, 0.5355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

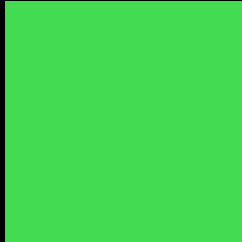
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.4504, 0.2974, 0.5355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

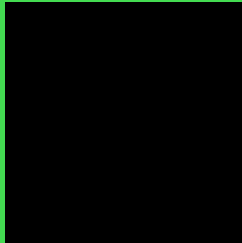
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

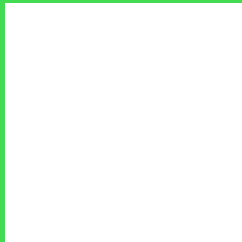
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.4504, 0.2974, 0.5355**

## Background



This preview shows how black text looks on a background with the Yxy color 52.4504, 0.2974, 0.5355.

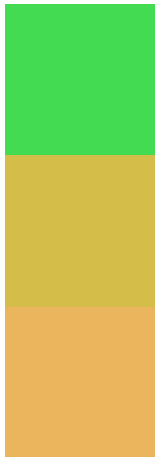


This preview shows how white text looks on a background with the Yxy color 52.4504, 0.2974, 0.5355.

# 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

52.4504, 0.2974, 0.5355

### Protanopia

51.3050, 0.4183, 0.4588

### Deuteranopia

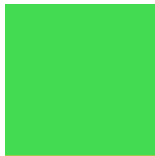
51.3305, 0.4324, 0.4233



## Tritanopia

52.0624, 0.2415, 0.3060

# Trichromacy



## Original Color

52.4504, 0.2974, 0.5355



## Protanomaly

49.6660, 0.3625, 0.4934



## Deuteranomaly

48.6357, 0.3707, 0.4677



## Tritanomaly

51.3088, 0.2623, 0.3866

# Monochromacy



## Original Color

52.4504, 0.2974, 0.5355



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

38.6142, 0.3049, 0.4087

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.4504, 0.2974, 0.5355 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(67, 219, 81)` looks like.

```
.text, #text, p{  
  color:rgb(67, 219, 81)  
}
```

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(67, 219, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 219, 81) }
```

## Border

The CSS property to change the border of an element to Yxy 52.4504, 0.2974, 0.5355 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(67, 219, 81) }
```

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

```
.border{ border-color:rgb(67, 219, 81) }
```

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

Here you see how a box with a 4 pixel rgb(67, 219, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 219, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 219, 81);  
box-shadow:4px 4px 4px 4px rgb(67, 219,  
81) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.4504, 0.2974, 0.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 219, 81) }
```

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

```
.background{ background-color: rgb(67, 219,  
81) }
```

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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