

# Converting Colors

$Yxy(53.3311, 0.2992, 0.5451)$

Have a look what the booklet for  
Yxy(53.3311, 0.2992, 0.5451)  
contains.

<b>Yxy(53.3311, 0.2992, 0.5451)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(53.3311, 0.2992, 0.5451)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41DD4A
RGB	65, 221, 74
RGB Percent	25%, 87%, 29%
CMY	0.7451, 0.1333, 0.7097
CMYK	0.71, 0.00, 0.67, 0.13
HSL	123°, 70%, 56%
HSV	123°, 71%, 87%
XYZ	29.2729, 53.3311, 15.2333
YIQ	157.5980, -45.7890, -78.7890

# Conversions

## Conversions Part 2

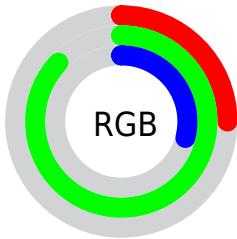
Format	Color
<a href="#">RYB</a>	<a href="#">65, 212, 221</a>
Decimal	<a href="#">4316490</a>
CIELab	<a href="#">78.07, -67.81, 58.36</a>
CIELCh	<a href="#">78, 89.471, 139.284</a>
Yxy	<a href="#">53.3311, 0.2992, 0.5451</a>
Android (android.graphics.Color)	<a href="#">4282506570 (0xFF41DD4A)</a>
YUV	<a href="#">157.5980, -41.2138, -81.2084</a>
Hunter-Lab	<a href="#">73.0281, -56.2486, 38.7521</a>

# Details

The Yxy color **53.3311, 0.2992, 0.5451** 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 **23.9055, 0.3300, 0.1810**, and the grayscale version is **34.2080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.0915, 0.3073, 0.4859**, and **26.5619, 0.2994, 0.5978** is the 20% darker color. If you saturate the color by 10%, you get **52.4851, 0.2987, 0.5701**, and if you desaturate by 10%, it is **54.5692, 0.3003, 0.5145**.

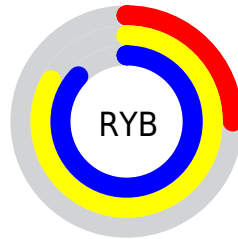
# Distribution



Red (25%)

Green (87%)

Blue (29%)



Red (25%)

Yellow (83%)

Blue (87%)

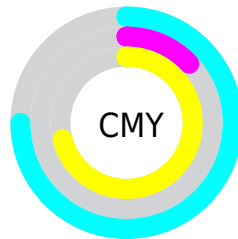


Cyan (71%)

Magenta (0%)

Yellow (67%)

Black (13%)



Cyan (75%)

Magenta (13%)


Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3311, 0.2992, 0.5451 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 53.3311, 0.2992, 0.5451 by changing the saturation by 10% instead.





 53.3311, 0.2992,  
0.5451

 53.3311, 0.2992,  
0.5451


399.5541, 0.3135,  
0.4313


 38.0672, 0.2929,  
0.5739

 95.0914, 0.3064,  
0.5031

 26.0348, 0.2834,  
0.6103


 122.3565, 0.3085,  
0.4875


 16.8497, 0.2681,  
0.6569

 154.3909, 0.3100,  
0.4743

 10.1274, 0.2439,  
0.7199

 191.5788, 0.3111,  
0.4631

 5.4835, 0.2017,  
0.7983

 234.3047, 0.3120,  
0.4535

 2.5336, 0.0885,  
0.9115

282.9529, 0.3126,

 0.8934, 0.0000,

0.4451

1.0000

337.9079, 0.3131,  
0.4377

■ 0.0000, 0.0000,  
0.0000

■ 53.3311, 0.2992,  
0.5451

■ 53.3311, 0.2992,  
0.5451

■ 52.4851, 0.2987,  
0.5701

■ 54.5692, 0.3003,  
0.5145

■ 51.9784, 0.2988,  
0.5877

■ 56.2319, 0.3020,  
0.4807


■ 51.7433, 0.2992,  
0.5970


■ 58.3556, 0.3040,  
0.4463


■ 60.9711, 0.3062,  
0.4131

■ 64.1065, 0.3084,  
0.3824

 67.7879, 0.3106,  
0.3547

 72.0394, 0.3126,  
0.3303

 76.8839, 0.3145,  
0.3091

 80.1948, 0.3143,  
0.2960

# Harmonies

## Analogous

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



53.3311, 0.4035, 0.5327



53.3311, 0.2992, 0.5451



53.3311, 0.2035, 0.4457

# Triad

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



53.3311, 0.2992, 0.5451



53.3311, 0.1438, 0.1715



53.3311, 0.5124, 0.3056

# Complementary

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



53.3311, 0.2992, 0.5451



23.9055, 0.3300, 0.1810

# 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.



53.3311, 0.4105, 0.2397



53.3311, 0.2992, 0.5451



53.3311, 0.1955, 0.1666

# Square

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



53.3311, 0.2992, 0.5451



53.3311, 0.1268, 0.2127



53.3311, 0.2879, 0.1905



53.3311, 0.5395, 0.3792



# Rectangle

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



53.3311, 0.2992, 0.5451



53.3311, 0.1590, 0.3495



53.3311, 0.2879, 0.1905



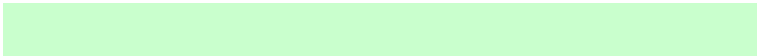
53.3311, 0.4849, 0.2825

# Sweetspot

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



53.3333, 0.2992, 0.5451



88.3860, 0.3083, 0.3841



66.2730, 0.4008, 0.4890



18.6466, 0.3076, 0.3924



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.



53.3333, 0.2992, 0.5451



72.1740, 0.2987, 0.5801



55.0665, 0.2652, 0.4345



14.6184, 0.3108, 0.3517



30.0628, 0.2989, 0.5961



1.9520, 0.2956, 0.5843



# Inverse Universe

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



23.9055, 0.3300, 0.1810



29.1007, 0.3334, 0.1672



20.9081, 0.4395, 0.2546



13.2612, 0.3147, 0.3073



11.5874, 0.3359, 0.1624

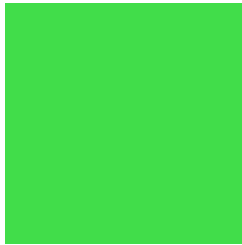


0.7547, 0.3332, 0.1609



# Previews

## White Background



This preview shows how the Yxy color 53.3311, 0.2992, 0.5451 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 53.3311, 0.2992, 0.5451 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 53.3311, 0.2992, 0.5451**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3311, 0.2992, 0.5451.



This preview shows how white text looks on a background with the Yxy color 53.3311, 0.2992, 0.5451.

# 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

53.3311, 0.2992, 0.5451

### Protanopia

52.3888, 0.4220, 0.4648

### Deuteranopia

52.1485, 0.4382, 0.4282



## Tritanopia

53.0792, 0.2415, 0.3075

# Trichromacy



## Original Color

53.3311, 0.2992, 0.5451



## Protanomaly

50.6151, 0.3656, 0.5012



## Deuteranomaly

49.0877, 0.3751, 0.4756



## Tritanomaly

52.2269, 0.2638, 0.3924

# Monochromacy



## Original Color

53.3311, 0.2992, 0.5451



## Achromatopsia

34.1914, 0.3127, 0.3290



## Achromatomaly

38.8651, 0.3063, 0.4152

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3311, 0.2992, 0.5451 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(65, 221, 74)` looks like.

```
.text, #text, p{  
    color:rgb(65, 221, 74)  
}
```

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(65, 221, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 221, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3311, 0.2992, 0.5451 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(65, 221, 74) }
```

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

```
.border{ border-color:rgb(65, 221, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 221, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 221, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 221, 74);  
box-shadow:4px 4px 4px 4px rgb(65, 221,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3311, 0.2992, 0.5451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 221, 74) }
```

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

```
.background{ background-color: rgb(65, 221,  
74) }
```

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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