

# Converting Colors

Yxy(53.5486, 0.2962, 0.5442)

Have a look what the booklet for  
Yxy(53.5486, 0.2962, 0.5442)  
contains.

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# Color

**Yxy(53.6942, 0.2965, 0.5447)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BDE4C
RGB	59, 222, 76
RGB Percent	23%, 87%, 30%
CMY	0.7687, 0.1294, 0.7021
CMYK	0.73, 0.00, 0.66, 0.13
HSL	126°, 71%, 55%
HSV	126°, 73%, 87%
XYZ	29.2277, 53.6942, 15.6538
YIQ	156.6190, -50.2820, -79.9620

# Conversions

## Conversions Part 2

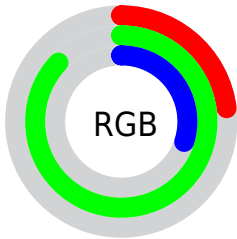
Format	Color
<a href="#">RYB</a>	<a href="#">59, 207, 222</a>
Decimal	<a href="#">3923532</a>
CIELab	<a href="#">78.28, -68.91, 57.78</a>
CIELCh	<a href="#">78, 89.928, 140.018</a>
Yxy	<a href="#">53.6942, 0.2965, 0.5447</a>
Android (android.graphics.Color)	<a href="#">4282113612 (0xFF3BDE4C)</a>
YUV	<a href="#">156.6190, -39.7452, -85.6119</a>
Hunter-Lab	<a href="#">73.2763, -57.0353, 38.6275</a>

# Details

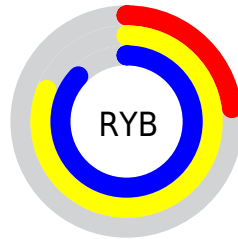
The Yxy color **53.6942, 0.2965, 0.5447** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **23.0662, 0.3396, 0.1834**, and the grayscale version is **33.7332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8258, 0.3044, 0.4844**, and **26.9322, 0.2988, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **52.9214, 0.2966, 0.5689**, and if you desaturate by 10%, it is **54.8452, 0.2973, 0.5153**.

# Distribution



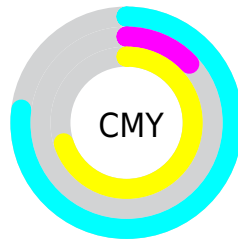
- Red (23%)
- Green (87%)
- Blue (30%)



- Red (23%)
- Yellow (81%)
- Blue (87%)



- Cyan (73%)
- Magenta (0%)
- Yellow (66%)
- Black (13%)



- Cyan (77%)
- Magenta (13%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6942, 0.2965, 0.5447 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 53.6942, 0.2965, 0.5447 by changing the saturation by 10% instead.





 53.6942, 0.2965,  
0.5447

 53.6942, 0.2965,  
0.5447


400.9428, 0.3120,  
0.4310


 38.3572, 0.2900,  
0.5735

 95.6251, 0.3040,  
0.5027


 26.2601, 0.2802,  
0.6100


 122.9878, 0.3063,  
0.4871

 17.0183, 0.2648,  
0.6568


 155.1279, 0.3080,  
0.4739

 10.2475, 0.2401,  
0.7195

 192.4298, 0.3092,  
0.4628

 5.5634, 0.1987,  
0.8013

 235.2778, 0.3102,  
0.4531

 2.5815, 0.0856,  
0.9144

284.0564, 0.3110,

 0.9174, 0.0000,

0.4448

1.0000

339.1499, 0.3116,  
0.4375

■ 0.0000, 0.0000,  
0.0000

■ 53.6942, 0.2965,  
0.5447

■ 53.6942, 0.2965,  
0.5447

■ 52.9214, 0.2966,  
0.5689

■ 54.8452, 0.2973,  
0.5153

■ 52.4724, 0.2975,  
0.5862


■ 56.4072, 0.2988,  
0.4829


■ 52.3081, 0.2982,  
0.5936

■ 58.4172, 0.3009,  
0.4498

■ 60.9060, 0.3035,  
0.4177

■ 63.9018, 0.3063,  
0.3877

 67.4305, 0.3091,  
0.3606

 71.5165, 0.3118,  
0.3365

 76.1823, 0.3144,  
0.3155

 80.7232, 0.3142,  
0.2970

# Harmonies

## Analogous

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



53.6942, 0.4011, 0.5345



53.6942, 0.2965, 0.5447



53.6942, 0.2012, 0.4426

# Triad

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



53.6942, 0.2965, 0.5447



53.6942, 0.1442, 0.1707



53.6942, 0.5146, 0.3072

# Complementary

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



53.6942, 0.2965, 0.5447



23.0662, 0.3396, 0.1834

# Split Complementary

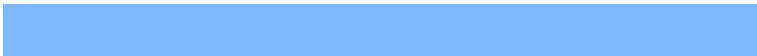
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.6942, 0.4137, 0.2410



53.6942, 0.2965, 0.5447



53.6942, 0.1970, 0.1665

# Square

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



53.6942, 0.2965, 0.5447



53.6942, 0.1265, 0.2108



53.6942, 0.2906, 0.1911



53.6942, 0.5396, 0.3810



# Rectangle

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



53.6942, 0.2965, 0.5447



53.6942, 0.1574, 0.3461



53.6942, 0.2906, 0.1911



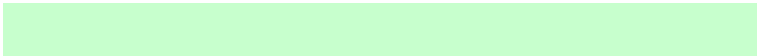
53.6942, 0.4877, 0.2840

# Sweetspot

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



53.6964, 0.2965, 0.5447



88.0438, 0.3066, 0.3841



65.6408, 0.3962, 0.4974



18.5846, 0.3058, 0.3920



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.



53.6964, 0.2965, 0.5447



72.0712, 0.2970, 0.5789



55.6025, 0.2608, 0.4266



15.3603, 0.3102, 0.3507



31.0758, 0.2979, 0.5923



2.1620, 0.2927, 0.5736



# Inverse Universe

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



23.0662, 0.3396, 0.1834



28.0243, 0.3455, 0.1722



20.1172, 0.4613, 0.2626



13.9097, 0.3154, 0.3083



11.6800, 0.3489, 0.1696

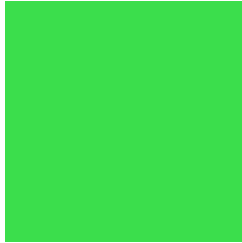


0.8168, 0.3440, 0.1669



# Previews

## White Background



This preview shows how the Yxy color 53.6942, 0.2965, 0.5447 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 53.6942, 0.2965, 0.5447 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 53.6942, 0.2965, 0.5447**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6942, 0.2965, 0.5447.

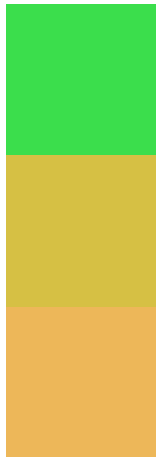


This preview shows how white text looks on a background with the Yxy color 53.6942, 0.2965, 0.5447.

# 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

53.6942, 0.2965, 0.5447

### Protanopia

52.4128, 0.4210, 0.4634

### Deuteranopia

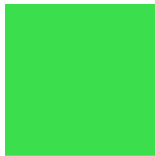
52.5928, 0.4362, 0.4275



## **Tritanopia**

53.4366, 0.2401, 0.3075

# Trichromacy



## Original Color

53.6942, 0.2965, 0.5447



## Protanomaly

50.4359, 0.3630, 0.5004



## Deuteranomaly

49.3433, 0.3717, 0.4754



## Tritanomaly

52.5655, 0.2618, 0.3924

# Monochromacy



## Original Color

53.6942, 0.2965, 0.5447



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

38.6712, 0.3031, 0.4142

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6942, 0.2965, 0.5447 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(59, 222, 76)` looks like.

```
.text, #text, p{  
    color:rgb(59, 222, 76)  
}
```

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(59, 222, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 222, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6942, 0.2965, 0.5447 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(59, 222, 76) }
```

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

```
.border{ border-color:rgb(59, 222, 76) }
```

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

Here you see how a box with a 4 pixel rgb(59, 222, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 222, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 222, 76);  
box-shadow:4px 4px 4px 4px rgb(59, 222,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6942, 0.2965, 0.5447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 222, 76) }
```

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

```
.background{ background-color: rgb(59, 222,  
76) }
```

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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