

# Converting Colors

Yxy(54.6473, 0.2862, 0.5136)

Have a look what the booklet for  
Yxy(54.6473, 0.2862, 0.5136)  
contains.

<b>Yxy(54.5848, 0.2863, 0.5137)</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(54.5848, 0.2863, 0.5137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39DF65
RGB	57, 223, 101
RGB Percent	22%, 87%, 40%
CMY	0.7768, 0.1255, 0.6038
CMYK	0.74, 0.00, 0.55, 0.13
HSL	136°, 72%, 55%
HSV	136°, 74%, 87%
XYZ	30.4217, 54.5848, 21.2516
YIQ	159.4580, -59.7740, -73.1340

# Conversions

## Conversions Part 2

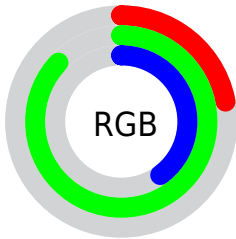
Format	Color
<a href="#">RYB</a>	<a href="#">57, 188, 223</a>
Decimal	<a href="#">3792741</a>
CIELab	<a href="#">78.80, -66.61, 47.44</a>
CIELCh	<a href="#">79, 81.773, 144.541</a>
Yxy	<a href="#">54.5848, 0.2863, 0.5137</a>
Android (android.graphics.Color)	<a href="#">4281982821 (0xFF39DF65)</a>
YUV	<a href="#">159.4580, -28.8198, -89.8557</a>
Hunter-Lab	<a href="#">73.8815, -55.7929, 34.6626</a>

# Details

The Yxy color **54.5848, 0.2863, 0.5137** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark muted spring green. A complement of this color would be **21.8582, 0.3755, 0.2051**, and the grayscale version is **35.0391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3986, 0.2927, 0.4550**, and **27.4942, 0.2887, 0.5594** is the 20% darker color. If you saturate the color by 10%, you get **53.7804, 0.2873, 0.5385**, and if you desaturate by 10%, it is **55.7451, 0.2868, 0.4864**.

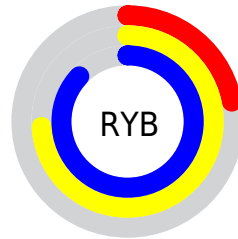
# Distribution



Red (22%)

Green (87%)

Blue (40%)



Red (22%)

Yellow (74%)

Blue (87%)

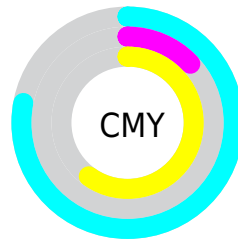


Cyan (74%)

Magenta (0%)

Yellow (55%)

Black (13%)



Cyan (78%)

Magenta (13%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5848, 0.2863, 0.5137 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 54.5848, 0.2863, 0.5137 by changing the saturation by 10% instead.





 54.5848, 0.2863,  
0.5137


 54.5848, 0.2863,  
0.5137


404.3361, 0.3044,  
0.4162


 39.0694, 0.2801,  
0.5389

 96.9324, 0.2941,  
0.4774


 26.8137, 0.2713,  
0.5715


 124.5333, 0.2967,  
0.4640

 17.4334, 0.2580,  
0.6145


 156.9315, 0.2987,  
0.4528

 10.5440, 0.2367,  
0.6728

 194.5115, 0.3003,  
0.4432

 5.7611, 0.2065,  
0.7727

 237.6575, 0.3016,  
0.4350

 2.7004, 0.1154,  
0.8846

286.7540, 0.3027,

 0.9774, 0.0000,

0.4279

1.0000

342.1854, 0.3036,  
0.4217

■ 0.0000, 0.0000,  
0.0000

■ 54.5848, 0.2863,  
0.5137

■ 54.5848, 0.2863,  
0.5137

■ 53.7804, 0.2873,  
0.5385

■ 55.7451, 0.2868,  
0.4864

■ 53.2805, 0.2898,  
0.5595

■ 57.2916, 0.2888,  
0.4582

■ 53.0974, 0.2915,  
0.5693

■ 59.2586, 0.2919,  
0.4304


■ 61.6749, 0.2959,  
0.4038

■ 64.5665, 0.3005,  
0.3792

 67.9577, 0.3055,  
0.3570

 71.8707, 0.3105,  
0.3371

 76.3267, 0.3155,  
0.3196

 80.8435, 0.3185,  
0.3042

# Harmonies

## Analogous

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



54.5848, 0.3838, 0.5239



54.5848, 0.2863, 0.5137



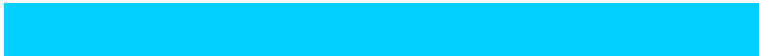
54.5848, 0.2010, 0.4117

# Triad

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



54.5848, 0.2863, 0.5137



54.5848, 0.1614, 0.1799



54.5848, 0.5046, 0.3214

# Complementary

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



54.5848, 0.2863, 0.5137



21.8582, 0.3755, 0.2051

# 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.



54.5848, 0.4213, 0.2570



54.5848, 0.2863, 0.5137



54.5848, 0.2171, 0.1798

# Square

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



54.5848, 0.2863, 0.5137



54.5848, 0.1399, 0.2131



54.5848, 0.3093, 0.2069



54.5848, 0.5186, 0.3925



# Rectangle

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



54.5848, 0.2863, 0.5137



54.5848, 0.1633, 0.3278



54.5848, 0.3093, 0.2069



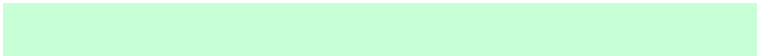
54.5848, 0.4834, 0.2990

# Sweetspot

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



54.5870, 0.2863, 0.5137



88.4932, 0.3017, 0.3739



62.9565, 0.3769, 0.5126



18.6888, 0.3003, 0.3802



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.



54.5870, 0.2863, 0.5137



72.4775, 0.2885, 0.5500



57.0030, 0.2489, 0.3890



15.3967, 0.3080, 0.3467



31.2341, 0.2908, 0.5668



2.1796, 0.2823, 0.5364



# Inverse Universe

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



21.8582, 0.3755, 0.2051



26.0206, 0.3921, 0.1982



19.4979, 0.5074, 0.2899



13.8702, 0.3178, 0.3119



10.8151, 0.4015, 0.1986



0.7642, 0.3863, 0.1902



# Previews

## White Background



This preview shows how the Yxy color 54.5848, 0.2863, 0.5137 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 54.5848, 0.2863, 0.5137 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 54.5848, 0.2863, 0.5137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5848, 0.2863, 0.5137.



This preview shows how white text looks on a background with the Yxy color 54.5848, 0.2863, 0.5137.

# 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

54.5848, 0.2863, 0.5137

### Protanopia

53.1914, 0.4075, 0.4452

### Deuteranopia

53.0908, 0.4181, 0.4091



## Tritanopia

54.4059, 0.2380, 0.3063

# Trichromacy



## Original Color

54.5848, 0.2863, 0.5137



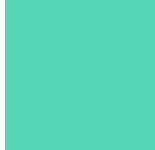
## Protanomaly

51.1801, 0.3495, 0.4762



## Deuteranomaly

49.9958, 0.3555, 0.4508



## Tritanomaly

53.8684, 0.2554, 0.3782

# Monochromacy



## Original Color

54.5848, 0.2863, 0.5137



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

39.4285, 0.2967, 0.3988

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5848, 0.2863, 0.5137 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(57, 223, 101)` looks like.

```
.text, #text, p{  
    color:rgb(57, 223, 101)  
}
```

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(57, 223, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 223, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5848, 0.2863, 0.5137 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(57, 223, 101) }
```

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

```
.border{ border-color:rgb(57, 223, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 223, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 223, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 223, 101); box-shadow:4px 4px 4px 4px rgb(57, 223, 101) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5848, 0.2863, 0.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 223, 101) }
```

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

```
.background{ background-color: rgb(57, 223,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor