

# Converting Colors

Yxy(54.5581, 0.2939, 0.5022)

Have a look what the booklet for  
Yxy(54.5581, 0.2939, 0.5022)  
contains.

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# Color

**Yxy(54.5718, 0.2940, 0.5018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53DD69
RGB	83, 221, 105
RGB Percent	33%, 87%, 41%
CMY	0.6745, 0.1333, 0.5883
CMYK	0.62, 0.00, 0.52, 0.13
HSL	130°, 67%, 60%
HSV	130°, 62%, 87%
XYZ	31.9731, 54.5718, 22.2072
YIQ	166.5140, -45.0120, -65.3320

# Conversions

## Conversions Part 2

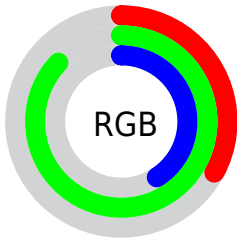
Format	Color
<a href="#">RYB</a>	<a href="#">83, 202, 221</a>
Decimal	<a href="#">5496169</a>
CIELab	<a href="#">78.79, -60.86, 45.71</a>
CIELCh	<a href="#">79, 76.112, 143.089</a>
Yxy	<a href="#">54.5718, 0.2940, 0.5018</a>
Android (android.graphics.Color)	<a href="#">4283686249</a> ( <a href="#">0xFF53DD69</a> )
YUV	<a href="#">166.5140, -30.3264, -73.2418</a>
Hunter-Lab	<a href="#">73.8727, -52.0201, 33.8875</a>

# Details

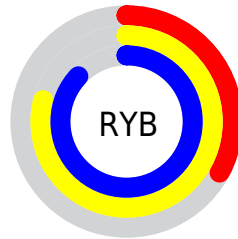
The Yxy color **54.5718, 0.2940, 0.5018** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.6855, 0.3440, 0.2044**, and the grayscale version is **38.5626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0429, 0.2997, 0.4468**, and **27.1673, 0.2869, 0.5529** is the 20% darker color. If you saturate the color by 10%, you get **53.3827, 0.2933, 0.5312**, and if you desaturate by 10%, it is **56.1692, 0.2957, 0.4705**.

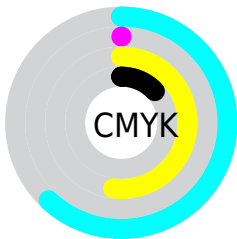
# Distribution



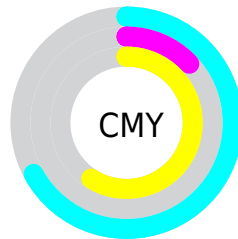
- Red (33%)
- Green (87%)
- Blue (41%)



- Red (33%)
- Yellow (79%)
- Blue (87%)



- Cyan (62%)
- Magenta (0%)
- Yellow (52%)
- Black (13%)




- Cyan (67%)
- Magenta (13%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5718, 0.2940, 0.5018 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 54.5718, 0.2940, 0.5018 by changing the saturation by 10% instead.





 54.5718, 0.2940,  
0.5018


 54.5718, 0.2940,  
0.5018

404.2867, 0.3078,  
0.4110


 39.0590, 0.2891,  
0.5252


 96.9133, 0.3001,  
0.4681


 26.8056, 0.2819,  
0.5555


 124.5108, 0.3021,  
0.4556

 17.4273, 0.2708,  
0.5955


 156.9053, 0.3036,  
0.4452

 10.5396, 0.2527,  
0.6500

 194.4812, 0.3048,  
0.4363

 5.7582, 0.2256,  
0.7391

237.6229, 0.3058,  
0.4286

 2.6986, 0.1542,  
0.8458

286.7148, 0.3066,

 0.9765, 0.0000,

0.4220

1.0000

342.1412, 0.3072,  
0.4162

■ 0.0000, 0.0000,  
0.0000

■ 54.5718, 0.2940,  
0.5018

■ 54.5718, 0.2940,  
0.5018

■ 53.3827, 0.2933,  
0.5312

■ 56.1692, 0.2957,  
0.4705

■ 52.5579, 0.2937,  
0.5567

■ 58.2006, 0.2983,  
0.4391


■ 52.0554, 0.2951,  
0.5766


■ 60.6974, 0.3014,  
0.4091


■ 51.8376, 0.2965,  
0.5875


■ 63.6863, 0.3048,  
0.3813

■ 67.1918, 0.3084,  
0.3562

 71.2370, 0.3119,  
0.3340

 75.8434, 0.3153,  
0.3145

 80.1073, 0.3152,  
0.2973

 80.1951, 0.3143,  
0.2960

# Harmonies

## Analogous

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



54.5718, 0.3862, 0.5101



54.5718, 0.2940, 0.5018



54.5718, 0.2118, 0.4114

# Triad

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



54.5718, 0.2940, 0.5018



54.5718, 0.1678, 0.1889



54.5718, 0.4893, 0.3203

# Complementary

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



54.5718, 0.2940, 0.5018



25.6855, 0.3440, 0.2044

# 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.



54.5718, 0.4093, 0.2588



54.5718, 0.2940, 0.5018



54.5718, 0.2196, 0.1870

# Square

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



54.5718, 0.2940, 0.5018



54.5718, 0.1486, 0.2232



54.5718, 0.3052, 0.2117



54.5718, 0.5072, 0.3882



# Rectangle

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



54.5718, 0.2940, 0.5018



54.5718, 0.1742, 0.3342



54.5718, 0.3052, 0.2117



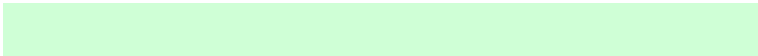
54.5718, 0.4683, 0.2988

# Sweetspot

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



54.5741, 0.2940, 0.5018



89.5893, 0.3060, 0.3728



64.6612, 0.3832, 0.4828



18.8908, 0.3050, 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.



54.5741, 0.2940, 0.5018



73.4134, 0.2933, 0.5398



56.5603, 0.2604, 0.3987



14.6399, 0.3094, 0.3492



30.1228, 0.2960, 0.5857



1.9622, 0.2886, 0.5589



# Inverse Universe

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



25.6855, 0.3440, 0.2044



30.3102, 0.3522, 0.1886



23.2076, 0.4390, 0.2751



13.2374, 0.3162, 0.3096



10.9987, 0.3655, 0.1787

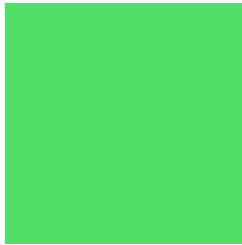


0.7223, 0.3571, 0.1741



# Previews

## White Background



This preview shows how the Yxy color 54.5718, 0.2940, 0.5018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

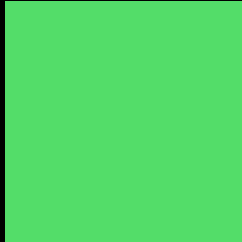
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.5718, 0.2940, 0.5018 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 54.5718, 0.2940, 0.5018**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5718, 0.2940, 0.5018.

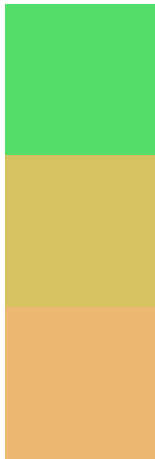


This preview shows how white text looks on a background with the Yxy color 54.5718, 0.2940, 0.5018.

# 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**

54.5718, 0.2940, 0.5018

**Protanopia**

53.7242, 0.4037, 0.4414

**Deuteranopia**

53.5750, 0.4152, 0.4071



## Tritanopia

54.2610, 0.2449, 0.3065

# Trichromacy



## Original Color

54.5718, 0.2940, 0.5018



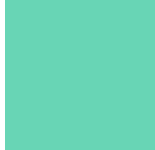
## Protanomaly

52.1936, 0.3547, 0.4679



## Deuteranomaly

51.2392, 0.3616, 0.4423



## Tritanomaly

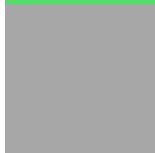
53.8678, 0.2631, 0.3745

# Monochromacy



## Original Color

54.5718, 0.2940, 0.5018



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

42.7885, 0.3033, 0.3938

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5718, 0.2940, 0.5018 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(83, 221, 105)` looks like.

```
.text, #text, p{  
    color:rgb(83, 221, 105)  
}
```

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(83, 221, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 221, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5718, 0.2940, 0.5018 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(83, 221, 105) }
```

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

```
.border{ border-color:rgb(83, 221, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 221, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 221, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 221, 105);  
box-shadow:4px 4px 4px 4px rgb(83, 221,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5718, 0.2940, 0.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 221, 105) }
```

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

```
.background{ background-color: rgb(83, 221,  
105) }
```

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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