

# Converting Colors

Yxy(53.4640, 0.2843, 0.4612)

Have a look what the booklet for  
Yxy(53.4640, 0.2843, 0.4612)  
contains.

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# Color

**Yxy(53.3345, 0.2847, 0.4615)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59D981
RGB	89, 217, 129
RGB Percent	35%, 85%, 51%
CMY	0.6506, 0.1490, 0.4941
CMYK	0.59, 0.00, 0.41, 0.15
HSL	139°, 63%, 60%
HSV	139°, 59%, 85%
XYZ	32.9021, 53.3345, 29.3311
YIQ	168.6960, -48.0400, -54.5040

# Conversions

## Conversions Part 2

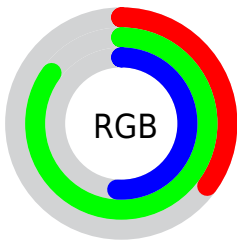
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 187, 217
Decimal	5888385
CIELab	78.07, -54.41, 33.03
CIELCh	78, 63.648, 148.743
Yxy	53.3345, 0.2847, 0.4615
Android (android.graphics.Color)	4284078465 (0xFF59D981)
YUV	168.6960, -19.5701, -69.8934
Hunter-Lab	73.0305, -47.3844, 27.3088

# Details

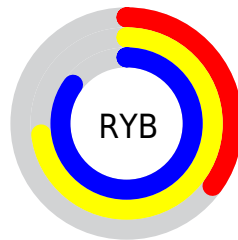
The Yxy color **53.3345, 0.2847, 0.4615** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.0894, 0.3662, 0.2289**, and the grayscale version is **39.6477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3285, 0.2900, 0.4159**, and **26.0398, 0.2734, 0.5042** is the 20% darker color. If you saturate the color by 10%, you get **52.0470, 0.2832, 0.4881**, and if you desaturate by 10%, it is **55.0008, 0.2877, 0.4350**.

# Distribution



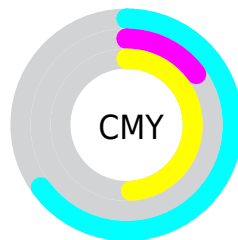
- Red (35%)
- Green (85%)
- Blue (51%)



- Red (35%)
- Yellow (73%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)




- Cyan (65%)
- Magenta (15%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3345, 0.2847, 0.4615 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 53.3345, 0.2847, 0.4615 by changing the saturation by 10% instead.





 53.3345, 0.2847,  
0.4615

 53.3345, 0.2847,  
0.4615


399.5671, 0.3011,  
0.3920


 38.0699, 0.2799,  
0.4797


 95.0964, 0.2912,  
0.4356

 26.0369, 0.2732,  
0.5034

 122.3625, 0.2935,  
0.4260

 16.8513, 0.2636,  
0.5355


 154.3978, 0.2953,  
0.4180

 10.1285, 0.2487,  
0.5810

 191.5868, 0.2969,  
0.4113

 5.4842, 0.2240,  
0.6485

234.3138, 0.2982,  
0.4054

 2.5341, 0.1845,  
0.8155

282.9633, 0.2993,

 0.8936, 0.0000,

0.4004

1.0000

337.9196, 0.3002,  
0.3959

■ 0.0000, 0.0000,  
0.0000

■ 53.3345, 0.2847,  
0.4615

■ 53.3345, 0.2847,  
0.4615

■ 52.0470, 0.2832,  
0.4881

■ 55.0008, 0.2877,  
0.4350

■ 51.1005, 0.2832,  
0.5135

■ 57.0669, 0.2918,  
0.4096

■ 50.4606, 0.2850,  
0.5367

■ 59.5599, 0.2966,  
0.3858

■ 50.0711, 0.2881,  
0.5565

■ 62.5026, 0.3020,  
0.3641

■ 50.0367, 0.2885,  
0.5584

■ 65.9163, 0.3076,  
0.3446

■ 69.8206, 0.3133,  
0.3273

■ 74.2344, 0.3189,  
0.3120

■ 77.6870, 0.3188,  
0.2982

■ 78.1029, 0.3145,  
0.2920

# Harmonies

## Analogous

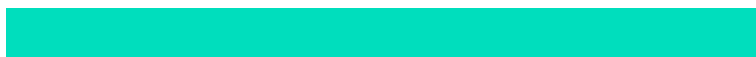
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.3345, 0.3649, 0.4858



53.3345, 0.2847, 0.4615



53.3345, 0.2165, 0.3802

# Triad

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



53.3345, 0.2847, 0.4615



53.3345, 0.1928, 0.2049



53.3345, 0.4695, 0.3355

# Complementary

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



53.3345, 0.2847, 0.4615



25.0894, 0.3662, 0.2289

# 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.



53.3345, 0.4101, 0.2786



53.3345, 0.2847, 0.4615



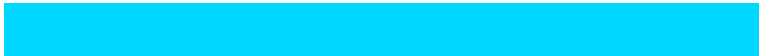
53.3345, 0.2450, 0.2072

# Square

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



53.3345, 0.2847, 0.4615



53.3345, 0.1701, 0.2310



53.3345, 0.3236, 0.2334



53.3345, 0.4767, 0.3966



# Rectangle

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



53.3345, 0.2847, 0.4615



53.3345, 0.1867, 0.3183



53.3345, 0.3236, 0.2334



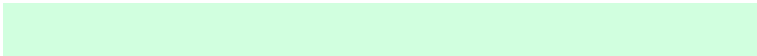
53.3345, 0.4548, 0.3157

# Sweetspot

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



53.3367, 0.2847, 0.4615



90.4405, 0.3025, 0.3625



59.8849, 0.3649, 0.4843



19.0733, 0.3008, 0.3686



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.



53.3367, 0.2847, 0.4615



74.5976, 0.2830, 0.4951



55.5314, 0.2523, 0.3650



14.6728, 0.3074, 0.3455



30.3082, 0.2877, 0.5559



1.9788, 0.2785, 0.5226



# Inverse Universe

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



25.0894, 0.3662, 0.2289



30.2513, 0.3828, 0.2147



23.1421, 0.4572, 0.3000



13.2021, 0.3185, 0.3130



10.2688, 0.4186, 0.2080

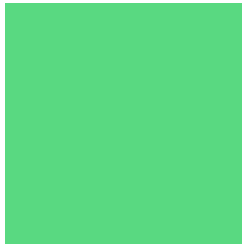


0.6805, 0.3988, 0.1971



# Previews

## White Background



This preview shows how the Yxy color 53.3345, 0.2847, 0.4615 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 53.3345, 0.2847, 0.4615 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

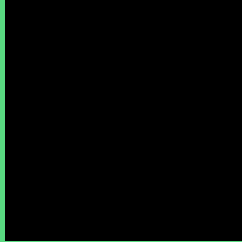
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3345, 0.2847, 0.4615**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3345, 0.2847, 0.4615.



This preview shows how white text looks on a background with the Yxy color 53.3345, 0.2847, 0.4615.

# 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

53.3345, 0.2847, 0.4615

### Protanopia

52.5865, 0.3844, 0.4170

### Deuteranopia

52.1671, 0.3914, 0.3821



## Tritanopia

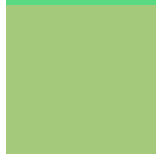
53.1152, 0.2449, 0.3063

# Trichromacy



## Original Color

53.3345, 0.2847, 0.4615



## Protanomaly

51.2027, 0.3397, 0.4350



## Deuteranomaly

50.0986, 0.3437, 0.4104



## Tritanomaly

52.8315, 0.2591, 0.3586

# Monochromacy



## Original Color

53.3345, 0.2847, 0.4615



## Achromatopsia

39.6755, 0.3127, 0.3290



## Achromatomaly

43.0264, 0.2993, 0.3764

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.3345, 0.2847, 0.4615 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(89, 217, 129)` looks like.

```
.text, #text, p{  
    color:rgb(89, 217, 129)  
}
```

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(89, 217, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3345, 0.2847, 0.4615 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(89, 217, 129) }
```

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

```
.border{ border-color:rgb(89, 217, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 217, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 129);  
box-shadow:4px 4px 4px 4px rgb(89, 217,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3345, 0.2847, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 129) }
```

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

```
.background{ background-color: rgb(89, 217,  
129) }
```

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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