

# Converting Colors

$Y_{xy}(55.1379, 0.2850, 0.4711)$

Have a look what the booklet for  
Yxy(55.1379, 0.2850, 0.4711)  
contains.

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# Color

**Yxy(55.1506, 0.2849, 0.4708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	55DD7E
RGB	85, 221, 126
RGB Percent	33%, 87%, 49%
CMY	0.6663, 0.1333, 0.5060
CMYK	0.61, 0.00, 0.43, 0.13
HSL	138°, 67%, 60%
HSV	138°, 61%, 87%
XYZ	33.3738, 55.1506, 28.6179
YIQ	169.5060, -50.5610, -58.3770

# Conversions

## Conversions Part 2

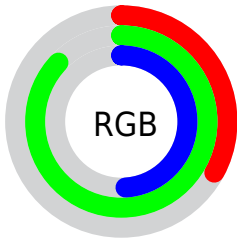
Format	Color
<b>RYB</b>	85, 189, 221
Decimal	5627262
CIELab	79.13, -57.29, 35.90
CIELCh	79, 67.610, 147.926
Yxy	55.1506, 0.2849, 0.4708
Android (android.graphics.Color)	4283817342 (0xFF55DD7E)
YUV	169.5060, -21.4485, -74.1118
Hunter-Lab	74.2634, -49.7435, 29.1367

# Details

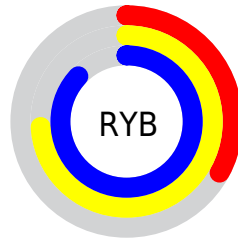
The Yxy color **55.1506, 0.2849, 0.4708** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.1832, 0.3676, 0.2240**, and the grayscale version is **40.0796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9263, 0.2899, 0.4201**, and **27.4183, 0.2762, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **53.9052, 0.2838, 0.4975**, and if you desaturate by 10%, it is **56.7851, 0.2875, 0.4438**.

# Distribution



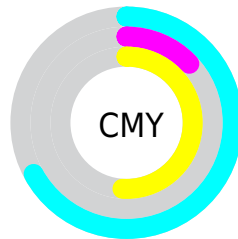
- Red (33%)
- Green (87%)
- Blue (49%)



- Red (33%)
- Yellow (74%)
- Blue (87%)



- Cyan (61%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)




- Cyan (67%)
- Magenta (13%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1506, 0.2849, 0.4708 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 55.1506, 0.2849, 0.4708 by changing the saturation by 10% instead.





 55.1506, 0.2849,  
0.4708


 55.1506, 0.2849,  
0.4708


406.4825, 0.3015,  
0.3966

 39.5223, 0.2799,  
0.4901


 97.7616, 0.2916,  
0.4432


 27.1663, 0.2730,  
0.5151


 125.5130, 0.2939,  
0.4330

 17.6982, 0.2630,  
0.5488


 158.0744, 0.2957,  
0.4245

 10.7335, 0.2476,  
0.5960

 195.8299, 0.2973,  
0.4172

 5.8879, 0.2219,  
0.6650

239.1641, 0.2986,  
0.4110

 2.7771, 0.1811,  
0.8189

288.4614, 0.2997,

 1.0165, 0.0000,

0.4056

1.0000

344.1061, 0.3006,  
0.4008

■ 0.0000, 0.0000,  
0.0000

■ 55.1506, 0.2849,  
0.4708

■ 55.1506, 0.2849,  
0.4708

■ 53.9052, 0.2838,  
0.4975

■ 56.7851, 0.2875,  
0.4438

■ 53.0082, 0.2844,  
0.5228

■ 58.8318, 0.2912,  
0.4175

■ 52.4214, 0.2865,  
0.5451

■ 61.3197, 0.2958,  
0.3928

■ 52.1104, 0.2893,  
0.5613


■ 64.2734, 0.3009,  
0.3702

■ 67.7155, 0.3064,  
0.3497

 71.6673, 0.3119,  
0.3315

 76.1485, 0.3173,  
0.3155

 79.8476, 0.3178,  
0.3011

 80.1913, 0.3143,  
0.2960

# Harmonies

## Analogous

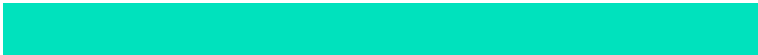
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1506, 0.3685, 0.4934



55.1506, 0.2849, 0.4708



55.1506, 0.2134, 0.3854

# Triad

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



55.1506, 0.2849, 0.4708



55.1506, 0.1868, 0.2001



55.1506, 0.4762, 0.3332

# Complementary

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



55.1506, 0.2849, 0.4708



25.1832, 0.3676, 0.2240

# 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.



55.1506, 0.4126, 0.2747



55.1506, 0.2849, 0.4708



55.1506, 0.2399, 0.2019

# Square

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



55.1506, 0.2849, 0.4708



55.1506, 0.1642, 0.2274



55.1506, 0.3213, 0.2284



55.1506, 0.4847, 0.3964



# Rectangle

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



55.1506, 0.2849, 0.4708



55.1506, 0.1821, 0.3197



55.1506, 0.3213, 0.2284



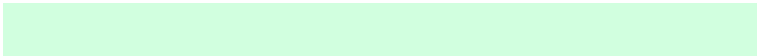
55.1506, 0.4604, 0.3129

# Sweetspot

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



55.1529, 0.2849, 0.4708



90.4127, 0.3027, 0.3631



62.0991, 0.3662, 0.4904



19.0666, 0.3012, 0.3693



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.



55.1529, 0.2849, 0.4708



74.1206, 0.2838, 0.5056



57.5338, 0.2508, 0.3669



14.6704, 0.3075, 0.3458



30.2902, 0.2885, 0.5586



1.9774, 0.2793, 0.5254



# Inverse Universe

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



25.1832, 0.3676, 0.2240



29.2793, 0.3841, 0.2105



23.0595, 0.4675, 0.2993



13.2046, 0.3183, 0.3128



10.3160, 0.4144, 0.2057

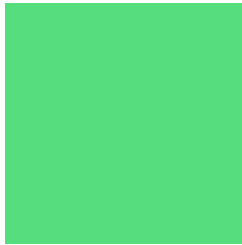


0.6833, 0.3955, 0.1953



# Previews

## White Background



This preview shows how the Yxy color 55.1506, 0.2849, 0.4708 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 55.1506, 0.2849, 0.4708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

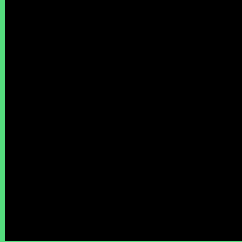
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.1506, 0.2849, 0.4708**

## Background



This preview shows how black text looks on a background with the Yxy color 55.1506, 0.2849, 0.4708.



This preview shows how white text looks on a background with the Yxy color 55.1506, 0.2849, 0.4708.

# 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

55.1506, 0.2849, 0.4708

### Protanopia

53.9907, 0.3891, 0.4212

### Deuteranopia

53.9948, 0.3961, 0.3879



## Tritanopia

54.6693, 0.2437, 0.3065

# Trichromacy



## Original Color

55.1506, 0.2849, 0.4708



## Protanomaly

52.6488, 0.3417, 0.4419



## Deuteranomaly

52.0692, 0.3465, 0.4185



## Tritanomaly

54.1898, 0.2579, 0.3612

# Monochromacy



## Original Color

55.1506, 0.2849, 0.4708



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

44.2173, 0.2985, 0.3806

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1506, 0.2849, 0.4708 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(85, 221, 126)` looks like.

```
.text, #text, p{  
    color:rgb(85, 221, 126)  
}
```

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(85, 221, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 221, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1506, 0.2849, 0.4708 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(85, 221, 126) }
```

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

```
.border{ border-color:rgb(85, 221, 126) }
```

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

Here you see how a box with a 4 pixel rgb(85, 221, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 221, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 221, 126);  
box-shadow:4px 4px 4px 4px rgb(85, 221,  
126) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1506, 0.2849, 0.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 221, 126) }
```

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

```
.background{ background-color: rgb(85, 221,  
126) }
```

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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