

# Converting Colors

Yxy(53.6864, 0.2803, 0.3841)

Have a look what the booklet for  
Yxy(53.6864, 0.2803, 0.3841)  
contains.

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**Color**

**Yxy(53.5455, 0.2807, 0.3839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FD2AB
RGB	127, 210, 171
RGB Percent	50%, 82%, 67%
CMY	0.5018, 0.1765, 0.3296
CMYK	0.40, 0.00, 0.19, 0.18
HSL	152°, 48%, 66%
HSV	152°, 40%, 82%
XYZ	39.1514, 53.5455, 46.7808
YIQ	180.7370, -36.9490, -29.7250

# Conversions

## Conversions Part 2

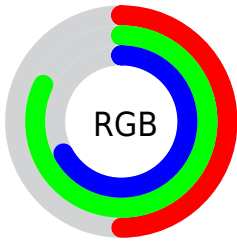
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 181, 210
Decimal	8377003
CIELab	78.20, -33.99, 11.49
CIElCh	78, 35.881, 161.321
Yxy	53.5455, 0.2807, 0.3839
Android (android.graphics.Color)	4286567083 (0xFF7FD2AB)
YUV	180.7370, -4.8003, -47.1273
Hunter-Lab	73.1748, -32.5513, 13.3181

# Details

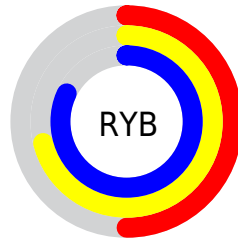
The Yxy color **53.5455, 0.2807, 0.3839** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.6479, 0.3641, 0.2806**, and the grayscale version is **46.1051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0783, 0.2861, 0.3610**, and **26.1911, 0.2715, 0.3995** is the 20% darker color. If you saturate the color by 10%, you get **51.7363, 0.2746, 0.4009**, and if you desaturate by 10%, it is **55.7233, 0.2879, 0.3680**.

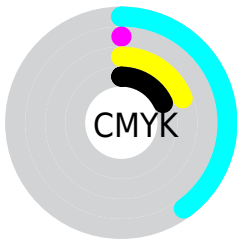
# Distribution



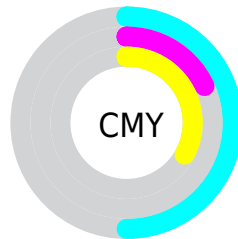
- Red (50%)
- Green (82%)
- Blue (67%)



- Red (50%)
- Yellow (71%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)




- Cyan (50%)
- Magenta (18%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5455, 0.2807, 0.3839 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 53.5455, 0.2807, 0.3839 by changing the saturation by 10% instead.





 53.5455, 0.2807,  
0.3839


 53.5455, 0.2807,  
0.3839

400.3745, 0.2968,  
0.3561


 38.2384, 0.2767,  
0.3910


 95.4066, 0.2866,  
0.3737

 26.1678, 0.2715,  
0.4001

 122.7294, 0.2888,  
0.3699

 16.9492, 0.2645,  
0.4123


 154.8262, 0.2906,  
0.3667

 10.1983, 0.2548,  
0.4296

192.0814, 0.2922,  
0.3640

 5.5306, 0.2403,  
0.4558

234.8795, 0.2936,  
0.3616

 2.5618, 0.2163,  
0.4997

283.6048, 0.2948,

 0.9075, 0.0290,

0.3595

0.8069

338.6416, 0.2959,  
0.3577

0.0000, 0.0000,  
0.0000

53.5455, 0.2807,  
0.3839

53.5455, 0.2807,  
0.3839

51.7363, 0.2746,  
0.4009

55.7233, 0.2879,  
0.3680

50.2676, 0.2699,  
0.4188

58.2829, 0.2959,  
0.3535

49.1174, 0.2670,  
0.4372

61.2449, 0.3044,  
0.3403


48.2585, 0.2660,  
0.4558


64.6265, 0.3132,  
0.3284


47.6586, 0.2671,  
0.4739


68.4437, 0.3219,  
0.3179

 47.2627, 0.2699,  
0.4912

 72.7119, 0.3306,  
0.3086

 47.2451, 0.2700,  
0.4921

 73.6528, 0.3250,  
0.2991

 74.2568, 0.3182,  
0.2897

 74.5734, 0.3148,  
0.2851

# Harmonies

## Analogous

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



53.5455, 0.3272, 0.4123



53.5455, 0.2807, 0.3839



53.5455, 0.2446, 0.3377

# Triad

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



53.5455, 0.2807, 0.3839



53.5455, 0.2526, 0.2524



53.5455, 0.4071, 0.3532

# Complementary

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



53.5455, 0.2807, 0.3839



31.6479, 0.3641, 0.2806

# 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.



53.5455, 0.3844, 0.3152



53.5455, 0.2807, 0.3839



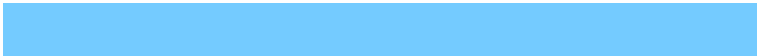
53.5455, 0.2925, 0.2596

# Square

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



53.5455, 0.2807, 0.3839



53.5455, 0.2296, 0.2633



53.5455, 0.3411, 0.2820



53.5455, 0.4019, 0.3888



# Rectangle

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



53.5455, 0.2807, 0.3839



53.5455, 0.2304, 0.3068



53.5455, 0.3411, 0.2820



53.5455, 0.4025, 0.3404

# Sweetspot

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



53.5477, 0.2807, 0.3839



93.7583, 0.3021, 0.3436



55.8576, 0.3365, 0.4387



19.9351, 0.3010, 0.3453



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.



53.5477, 0.2807, 0.3839



80.7884, 0.2757, 0.3975



54.5822, 0.2582, 0.3270



13.3094, 0.3045, 0.3402



28.8392, 0.2693, 0.4896



1.6285, 0.2604, 0.4574



# Inverse Universe

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



31.6479, 0.3641, 0.2806



42.4156, 0.3796, 0.2711



30.7850, 0.4106, 0.3310



11.8995, 0.3218, 0.3181



8.9252, 0.5069, 0.2566



0.5150, 0.4639, 0.2329



# Previews

## White Background



This preview shows how the Yxy color 53.5455, 0.2807, 0.3839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

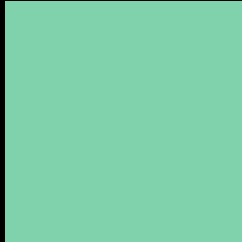
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5455, 0.2807, 0.3839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

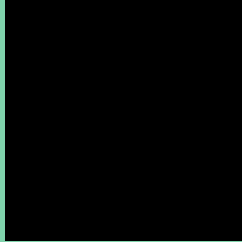
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.5455, 0.2807, 0.3839**

## Background



This preview shows how black text looks on a background with the Yxy color 53.5455, 0.2807, 0.3839.



This preview shows how white text looks on a background with the Yxy color 53.5455, 0.2807, 0.3839.

# 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

53.5455, 0.2807, 0.3839

### Protanopia

53.0044, 0.3453, 0.3661

### Deuteranopia

53.0041, 0.3474, 0.3409



## Tritanopia

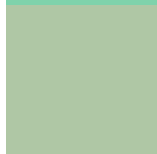
53.2825, 0.2577, 0.3068

# Trichromacy



## Original Color

53.5455, 0.2807, 0.3839



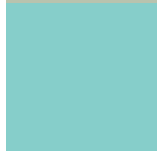
## Protanomaly

52.6774, 0.3185, 0.3737



## Deuteranomaly

52.2766, 0.3195, 0.3560



## Tritanomaly

53.4752, 0.2660, 0.3342

# Monochromacy



## Original Color

53.5455, 0.2807, 0.3839



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.4507, 0.2991, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.5455, 0.2807, 0.3839 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(127, 210, 171)` looks like.

```
.text, #text, p{  
    color:rgb(127, 210, 171)  
}
```

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(127, 210, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 210, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5455, 0.2807, 0.3839 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(127, 210, 171) }
```

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

```
.border{ border-color:rgb(127, 210, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 210, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 210, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 210, 171); box-shadow:4px 4px 4px 4px rgb(127, 210, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5455, 0.2807, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 210, 171) }
```

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

```
.background{ background-color: rgb(127,  
210, 171) }
```

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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