

# Converting Colors

$Yxy(55.9861, 0.2979, 0.4183)$

Have a look what the booklet for  
Yxy(55.9861, 0.2979, 0.4183)  
contains.

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# Color

**Yxy(55.9861, 0.2979, 0.4183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D797
RGB	135, 215, 151
RGB Percent	53%, 84%, 59%
CMY	0.4708, 0.1568, 0.4078
CMYK	0.37, 0.00, 0.30, 0.16
HSL	132°, 50%, 69%
HSV	132°, 37%, 84%
XYZ	39.8715, 55.9861, 37.9844
YIQ	183.7840, -27.1360, -36.8640

# Conversions

## Conversions Part 2

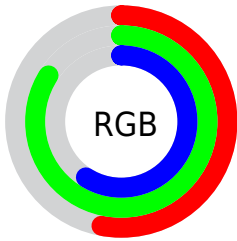
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 202, 215</a>
Decimal	<a href="#">8902551</a>
CIELab	<a href="#">79.61, -37.80, 24.05</a>
CIELCh	<a href="#">80, 44.801, 147.539</a>
Yxy	<a href="#">55.9861, 0.2979, 0.4183</a>
Android (android.graphics.Color)	<a href="#">4287092631 (0xFF87D797)</a>
YUV	<a href="#">183.7840, -16.1625, -42.7836</a>
Hunter-Lab	<a href="#">74.8239, -35.8241, 22.2781</a>

# Details

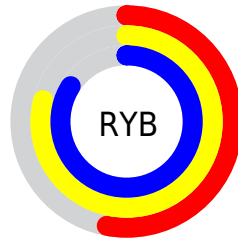
The Yxy color **55.9861, 0.2979, 0.4183** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **35.8831, 0.3325, 0.2539**, and the grayscale version is **47.9041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0526, 0.3012, 0.3834**, and **27.8110, 0.2921, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **53.8639, 0.2947, 0.4476**, and if you desaturate by 10%, it is **58.5545, 0.3016, 0.3909**.

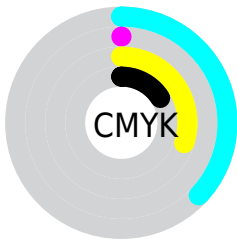
# Distribution



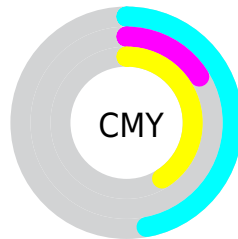
- Red (53%)
- Green (84%)
- Blue (59%)



- Red (53%)
- Yellow (79%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (30%)
- Black (16%)




- Cyan (47%)
- Magenta (16%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9861, 0.2979, 0.4183 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 55.9861, 0.2979, 0.4183 by changing the saturation by 10% instead.





 55.9861, 0.2979,  
0.4183


 55.9861, 0.2979,  
0.4183

409.6391, 0.3063,  
0.3727

 40.1918, 0.2955,  
0.4299


 98.9843, 0.3012,  
0.4015

 27.6881, 0.2922,  
0.4450


 126.9569, 0.3024,  
0.3953

 18.0907, 0.2875,  
0.4652


 159.7577, 0.3033,  
0.3900

 11.0151, 0.2804,  
0.4936

197.7712, 0.3041,  
0.3855

 6.0770, 0.2685,  
0.5362

241.3817, 0.3048,  
0.3817

 2.8920, 0.2477,  
0.6087

290.9735, 0.3054,

 1.0756, 0.0756,

0.3783

0.9244

346.9312, 0.3059,  
0.3753

0.0000, 0.0000,  
0.0000

55.9861, 0.2979,  
0.4183

55.9861, 0.2979,  
0.4183

53.8639, 0.2947,  
0.4476

58.5545, 0.3016,  
0.3909

52.1555, 0.2922,  
0.4778

61.5853, 0.3057,  
0.3659

50.8354, 0.2909,  
0.5075


65.1026, 0.3098,  
0.3435

49.8720, 0.2908,  
0.5351

69.1265, 0.3138,  
0.3238


49.2289, 0.2919,  
0.5587

73.6763, 0.3177,  
0.3066

 48.8582, 0.2942,  
0.5771

 77.0321, 0.3151,  
0.2909

 48.7829, 0.2948,  
0.5812

 77.0875, 0.3145,  
0.2901

# Harmonies

## Analogous

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



55.9861, 0.3555, 0.4366



55.9861, 0.2979, 0.4183



55.9861, 0.2471, 0.3671

# Triad

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



55.9861, 0.2979, 0.4183



55.9861, 0.2244, 0.2395



55.9861, 0.4203, 0.3355

# Complementary

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



55.9861, 0.2979, 0.4183



35.8831, 0.3325, 0.2539

# 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.



55.9861, 0.3784, 0.2922



55.9861, 0.2979, 0.4183



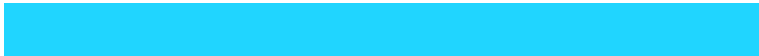
55.9861, 0.2633, 0.2391

# Square

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



55.9861, 0.2979, 0.4183



55.9861, 0.2079, 0.2620



55.9861, 0.3192, 0.2581



55.9861, 0.4292, 0.3809



# Rectangle

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



55.9861, 0.2979, 0.4183



55.9861, 0.2234, 0.3264



55.9861, 0.3192, 0.2581



55.9861, 0.4095, 0.3205

# Sweetspot

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



55.9884, 0.2979, 0.4183



93.7018, 0.3082, 0.3519



62.4973, 0.3554, 0.4253



19.9035, 0.3076, 0.3549



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.



55.9884, 0.2979, 0.4183



79.7711, 0.2952, 0.4422



57.5152, 0.2743, 0.3611



13.9363, 0.3089, 0.3482



29.1862, 0.2942, 0.5791



1.7724, 0.2853, 0.5471



# Inverse Universe

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



35.8831, 0.3325, 0.2539



45.9146, 0.3381, 0.2380



34.2638, 0.3755, 0.2997



12.5880, 0.3168, 0.3106



10.4353, 0.3788, 0.1861

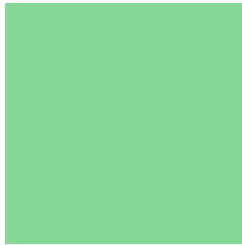


0.6405, 0.3670, 0.1795



# Previews

## White Background



This preview shows how the Yxy color 55.9861, 0.2979, 0.4183 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 55.9861, 0.2979, 0.4183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

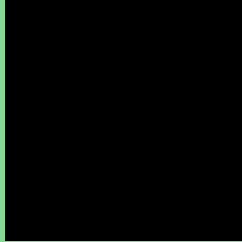
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.9861, 0.2979, 0.4183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9861, 0.2979, 0.4183.

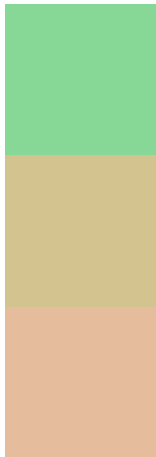


This preview shows how white text looks on a background with the Yxy color 55.9861, 0.2979, 0.4183.

# 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

55.9861, 0.2979, 0.4183

### Protanopia

55.3119, 0.3662, 0.3928

### Deuteranopia

55.4875, 0.3731, 0.3657



## Tritanopia

55.9006, 0.2641, 0.3087

# Trichromacy



## Original Color

55.9861, 0.2979, 0.4183



## Protanomaly

54.8545, 0.3381, 0.4025



## Deuteranomaly

54.3568, 0.3426, 0.3830



## Tritanomaly

55.6062, 0.2766, 0.3461

# Monochromacy



## Original Color

55.9861, 0.2979, 0.4183



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

50.1158, 0.3065, 0.3599

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9861, 0.2979, 0.4183 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(135, 215, 151)` looks like.

```
.text, #text, p{  
    color:rgb(135, 215, 151)  
}
```

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(135, 215, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 215, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9861, 0.2979, 0.4183 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(135, 215, 151) }
```

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

```
.border{ border-color:rgb(135, 215, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 215, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 215, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 215, 151);  
box-shadow:4px 4px 4px 4px rgb(135, 215,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9861, 0.2979, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 215, 151) }
```

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

```
.background{ background-color: rgb(135,  
215, 151) }
```

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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