

# Converting Colors

$Yxy(55.1673, 0.2961, 0.3886)$

Have a look what the booklet for  
Yxy(55.1673, 0.2961, 0.3886)  
contains.

<b>Yxy(55.0863, 0.2959, 0.3876)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.0863, 0.2959, 0.3876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93D2A7
RGB	147, 210, 167
RGB Percent	58%, 82%, 65%
CMY	0.4236, 0.1764, 0.3450
CMYK	0.30, 0.00, 0.20, 0.18
HSL	139°, 41%, 70%
HSV	139°, 30%, 82%
XYZ	42.0538, 55.0863, 44.9815
YIQ	186.2610, -23.7450, -26.7290

# Conversions

## Conversions Part 2

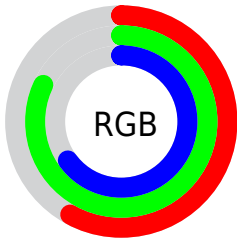
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 195, 210
Decimal	9687719
CIELab	79.09, -28.87, 15.00
CIElCh	79, 32.536, 152.556
Yxy	55.0863, 0.2959, 0.3876
Android (android.graphics.Color)	4287877799 (0xFF93D2A7)
YUV	186.2610, -9.4957, -34.4319
Hunter-Lab	74.2201, -28.7457, 16.0211

# Details

The Yxy color **55.0863, 0.2959, 0.3876** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.2839, 0.3350, 0.2769**, and the grayscale version is **49.3215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3505, 0.2990, 0.3645**, and **27.0602, 0.2904, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **52.8203, 0.2910, 0.4113**, and if you desaturate by 10%, it is **57.7700, 0.3013, 0.3659**.

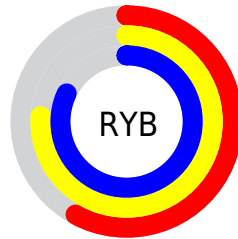
# Distribution



Red (58%)

Green (82%)

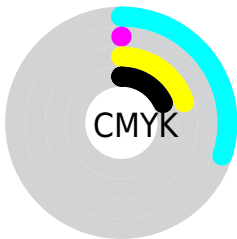
Blue (65%)



Red (58%)

Yellow (76%)

Blue (82%)

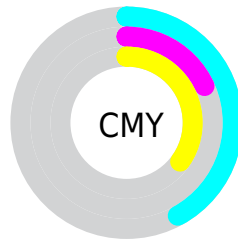


Cyan (30%)

Magenta (0%)

Yellow (20%)

Black (18%)



Cyan (42%)

Magenta (18%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0863, 0.2959, 0.3876 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 55.0863, 0.2959, 0.3876 by changing the saturation by 10% instead.




 55.0863, 0.2959,  
0.3876


 55.0863, 0.2959,  
0.3876


406.2390, 0.3046,  
0.3580

 39.4708, 0.2936,  
0.3951


 97.6674, 0.2991,  
0.3768

 27.1262, 0.2906,  
0.4047


 125.4018, 0.3003,  
0.3727

 17.6680, 0.2866,  
0.4177


157.9446, 0.3013,  
0.3693

 10.7119, 0.2808,  
0.4358

195.6803, 0.3022,  
0.3664

 5.8735, 0.2717,  
0.4631

238.9931, 0.3029,  
0.3639

 2.7683, 0.2560,  
0.5085

288.2676, 0.3036,

 1.0120, 0.1920,

0.3617

0.7718

343.8881, 0.3041,  
0.3597

0.0000, 0.0000,  
0.0000

55.0863, 0.2959,  
0.3876

55.0863, 0.2959,  
0.3876

52.8203, 0.2910,  
0.4113

57.7700, 0.3013,  
0.3659

50.9439, 0.2870,  
0.4366

60.8841, 0.3070,  
0.3464

49.4362, 0.2841,  
0.4629


64.4493, 0.3127,  
0.3290

48.2716, 0.2827,  
0.4892


68.4830, 0.3184,  
0.3137


47.4210, 0.2829,  
0.5143

73.0015, 0.3239,  
0.3004

 46.8500, 0.2848,  
0.5371

 74.4464, 0.3161,  
0.2870

 46.4979, 0.2880,  
0.5567

 74.5759, 0.3148,  
0.2851

# Harmonies

## Analogous

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



55.0863, 0.3386, 0.4061



55.0863, 0.2959, 0.3876



55.0863, 0.2594, 0.3497

# Triad

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



55.0863, 0.2959, 0.3876



55.0863, 0.2506, 0.2608



55.0863, 0.3939, 0.3413

# Complementary

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



55.0863, 0.2959, 0.3876



38.2839, 0.3350, 0.2769

# 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.



55.0863, 0.3671, 0.3072



55.0863, 0.2959, 0.3876



55.0863, 0.2829, 0.2625

# Square

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



55.0863, 0.2959, 0.3876



55.0863, 0.2347, 0.2761



55.0863, 0.3255, 0.2792



55.0863, 0.3969, 0.3749



# Rectangle

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



55.0863, 0.2959, 0.3876



55.0863, 0.2430, 0.3212



55.0863, 0.3255, 0.2792



55.0863, 0.3874, 0.3296

# Sweetspot

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



55.0886, 0.2959, 0.3876



94.9364, 0.3075, 0.3447



59.1559, 0.3415, 0.4076



20.1569, 0.3066, 0.3474



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

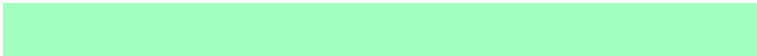


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.0886, 0.2959, 0.3876



83.1499, 0.2927, 0.4025



56.3962, 0.2765, 0.3441



13.2673, 0.3073, 0.3453



28.3776, 0.2872, 0.5541



1.6010, 0.2767, 0.5160



# Inverse Universe

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



38.2839, 0.3350, 0.2769



53.0071, 0.3411, 0.2656



37.0543, 0.3671, 0.3147



11.9425, 0.3186, 0.3133



9.5915, 0.4205, 0.2090



0.5504, 0.3979, 0.1965



# Previews

## White Background



This preview shows how the Yxy color 55.0863, 0.2959, 0.3876 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 55.0863, 0.2959, 0.3876 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 55.0863, 0.2959, 0.3876**

## Background



This preview shows how black text looks on a background with the Yxy color 55.0863, 0.2959, 0.3876.

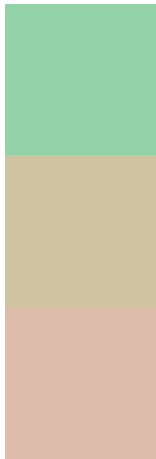


This preview shows how white text looks on a background with the Yxy color 55.0863, 0.2959, 0.3876.

# 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

55.0863, 0.2959, 0.3876

### Protanopia

54.8337, 0.3497, 0.3716

### Deuteranopia

54.4746, 0.3546, 0.3478



## Tritanopia

54.9944, 0.2697, 0.3087

# Trichromacy



**Original Color**

55.0863, 0.2959, 0.3876

**Protanomaly**

54.2672, 0.3279, 0.3764

**Deuteranomaly**

53.9842, 0.3315, 0.3615

**Tritanomaly**

55.0850, 0.2790, 0.3367

# Monochromacy



**Original Color**

55.0863, 0.2959, 0.3876

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

51.0555, 0.3062, 0.3500

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0863, 0.2959, 0.3876 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(147, 210, 167)` looks like.

```
.text, #text, p{  
    color:rgb(147, 210, 167)  
}
```

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(147, 210, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 210, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0863, 0.2959, 0.3876 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(147, 210, 167) }
```

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

```
.border{ border-color:rgb(147, 210, 167) }
```

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

Here you see how a box with a 4 pixel rgb(147, 210, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 210, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 210, 167);  
box-shadow:4px 4px 4px 4px rgb(147, 210,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0863, 0.2959, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 210, 167) }
```

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

```
.background{ background-color: rgb(147,  
210, 167) }
```

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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