

# Converting Colors

$Yxy(55.9861, 0.2939, 0.3821)$

Have a look what the booklet for  
Yxy(55.9861, 0.2939, 0.3821)  
contains.

<b>Yxy(55.8630, 0.2935, 0.3817)</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(55.8630, 0.2935, 0.3817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94D3AC
RGB	148, 211, 172
RGB Percent	58%, 83%, 67%
CMY	0.4195, 0.1725, 0.3256
CMYK	0.30, 0.00, 0.18, 0.17
HSL	143°, 42%, 70%
HSV	143°, 30%, 83%
XYZ	42.9547, 55.8630, 47.5355
YIQ	187.7170, -25.0290, -25.4850

# Conversions

## Conversions Part 2

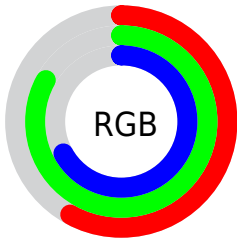
<b>Format</b>	<b>Color</b>
<b>RYB</b>	148, 194, 211
Decimal	9753516
CIELab	79.54, -28.09, 12.99
CIELCh	80, 30.950, 155.175
Yxy	55.8630, 0.2935, 0.3817
Android (android.graphics.Color)	4287943596 (0xFF94D3AC)
YUV	187.7170, -7.7485, -34.8318
Hunter-Lab	74.7416, -28.2121, 14.6107

# Details

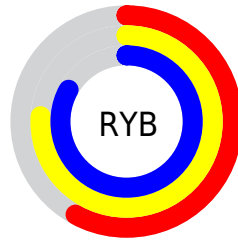
The Yxy color **55.8630, 0.2935, 0.3817** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.6270, 0.3387, 0.2817**, and the grayscale version is **50.1788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7626, 0.2969, 0.3589**, and **27.5659, 0.2873, 0.3961** is the 20% darker color. If you saturate the color by 10%, you get **53.5954, 0.2879, 0.4031**, and if you desaturate by 10%, it is **58.5433, 0.2997, 0.3621**.

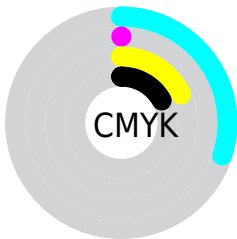
# Distribution



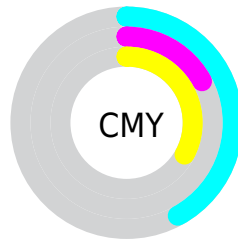
- Red (58%)
- Green (83%)
- Blue (67%)



- Red (58%)
- Yellow (76%)
- Blue (83%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (17%)




- Cyan (42%)
- Magenta (17%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8630, 0.2935, 0.3817 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 55.8630, 0.2935, 0.3817 by changing the saturation by 10% instead.





 55.8630, 0.2935,  
0.3817

 55.8630, 0.2935,  
0.3817


409.1750, 0.3033,  
0.3552

 40.0931, 0.2910,  
0.3884


 98.8042, 0.2971,  
0.3720

 27.6111, 0.2878,  
0.3969


 126.7444, 0.2984,  
0.3684

 18.0327, 0.2835,  
0.4083


159.5100, 0.2995,  
0.3654

 10.9735, 0.2774,  
0.4243

197.4856, 0.3005,  
0.3628

 6.0490, 0.2681,  
0.4483

241.0555, 0.3013,  
0.3605

 2.8749, 0.2525,  
0.4878

290.6041, 0.3021,

 1.0668, 0.1954,

0.3585

0.6563

346.5158, 0.3027,  
0.3568

0.0000, 0.0000,  
0.0000

55.8630, 0.2935,  
0.3817

55.8630, 0.2935,  
0.3817

53.5954, 0.2879,  
0.4031

58.5433, 0.2997,  
0.3621

51.7128, 0.2833,  
0.4260

61.6488, 0.3062,  
0.3445

50.1944, 0.2799,  
0.4499


65.1998, 0.3128,  
0.3288

49.0150, 0.2781,  
0.4741

69.2136, 0.3194,  
0.3149

48.1459, 0.2782,  
0.4978

73.7061, 0.3258,  
0.3027

 47.5531, 0.2800,  
0.5199

 74.7785, 0.3178,  
0.2903

 47.1773, 0.2833,  
0.5397

 75.0694, 0.3147,  
0.2861

 47.1722, 0.2833,  
0.5400

# Harmonies

## Analogous

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



55.8630, 0.3339, 0.4012



55.8630, 0.2935, 0.3817



55.8630, 0.2597, 0.3451

# Triad

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



55.8630, 0.2935, 0.3817



55.8630, 0.2558, 0.2637



55.8630, 0.3908, 0.3438

# Complementary

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



55.8630, 0.2935, 0.3817



38.6270, 0.3387, 0.2817

# 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.



55.8630, 0.3672, 0.3111



55.8630, 0.2935, 0.3817



55.8630, 0.2878, 0.2666

# Square

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



55.8630, 0.2935, 0.3817



55.8630, 0.2392, 0.2770



55.8630, 0.3286, 0.2836



55.8630, 0.3915, 0.3753



# Rectangle

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



55.8630, 0.2935, 0.3817



55.8630, 0.2450, 0.3184



55.8630, 0.3286, 0.2836



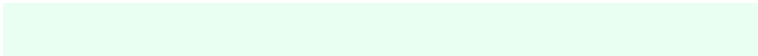
55.8630, 0.3852, 0.3327

# Sweetspot

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



55.8653, 0.2935, 0.3817



95.0218, 0.3067, 0.3432



59.4083, 0.3389, 0.4079



20.1778, 0.3057, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

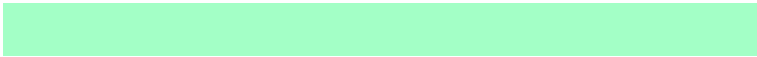


# Same Dimension

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



55.8653, 0.2935, 0.3817



83.4101, 0.2898, 0.3955



57.1807, 0.2748, 0.3398



13.2796, 0.3065, 0.3438



28.4864, 0.2825, 0.5372



1.6081, 0.2721, 0.4994



# Inverse Universe

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



38.6270, 0.3387, 0.2817



52.6974, 0.3462, 0.2711



37.4516, 0.3701, 0.3187



11.9296, 0.3195, 0.3147



9.3633, 0.4450, 0.2225



0.5387, 0.4163, 0.2067



# Previews

## White Background



This preview shows how the Yxy color 55.8630, 0.2935, 0.3817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

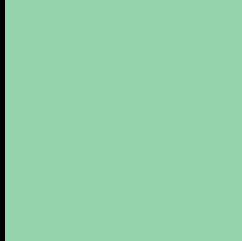
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8630, 0.2935, 0.3817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

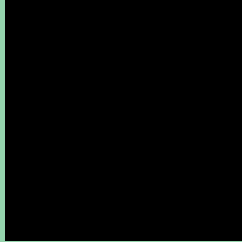
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8630, 0.2935, 0.3817**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8630, 0.2935, 0.3817.

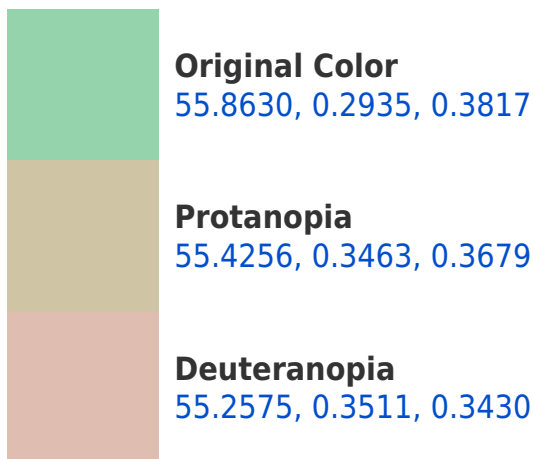


This preview shows how white text looks on a background with the Yxy color 55.8630, 0.2935, 0.3817.

# 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





## Tritanopia

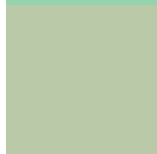
55.6753, 0.2693, 0.3076

# Trichromacy



## Original Color

55.8630, 0.2935, 0.3817



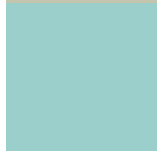
## Protanomaly

55.0024, 0.3256, 0.3723



## Deuteranomaly

54.7634, 0.3284, 0.3563



## Tritanomaly

55.8075, 0.2779, 0.3341

# Monochromacy



## Original Color

55.8630, 0.2935, 0.3817



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

51.7415, 0.3048, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8630, 0.2935, 0.3817 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(148, 211, 172)` looks like.

```
.text, #text, p{  
    color:rgb(148, 211, 172)  
}
```

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(148, 211, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 211, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8630, 0.2935, 0.3817 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(148, 211, 172) }
```

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

```
.border{ border-color:rgb(148, 211, 172) }
```

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

Here you see how a box with a 4 pixel rgb(148, 211, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 211, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 211, 172);  
box-shadow:4px 4px 4px 4px rgb(148, 211,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8630, 0.2935, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 211, 172) }
```

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

```
.background{ background-color: rgb(148,  
211, 172) }
```

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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