

# Converting Colors

$Yxy(55.4390, 0.3177, 0.3936)$

Have a look what the booklet for  
Yxy(55.4390, 0.3177, 0.3936)  
contains.

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# Color

**Yxy(55.5293, 0.3179, 0.3936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9CF9E
RGB	169, 207, 158
RGB Percent	66%, 81%, 62%
CMY	0.3372, 0.1882, 0.3804
CMYK	0.18, 0.00, 0.24, 0.19
HSL	107°, 34%, 72%
HSV	107°, 24%, 81%
XYZ	44.8495, 55.5293, 40.7017
YIQ	190.0520, -6.9190, -23.2950

# Conversions

## Conversions Part 2

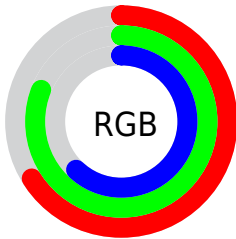
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 207, 196
Decimal	11128734
CIELab	79.35, -21.71, 20.32
CIELCh	79, 29.731, 136.897
Yxy	55.5293, 0.3179, 0.3936
Android (android.graphics.Color)	4289318814 (0xFFA9CF9E)
YUV	190.0520, -15.8016, -18.4626
Hunter-Lab	74.5180, -22.9742, 19.7784

# Details

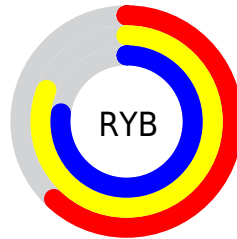
The Yxy color **55.5293, 0.3179, 0.3936** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.6923, 0.3055, 0.2688**, and the grayscale version is **51.6228, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3316, 0.3181, 0.3726**, and **27.5361, 0.3184, 0.4137** is the 20% darker color. If you saturate the color by 10%, you get **53.2105, 0.3195, 0.4252**, and if you desaturate by 10%, it is **58.1908, 0.3159, 0.3644**.

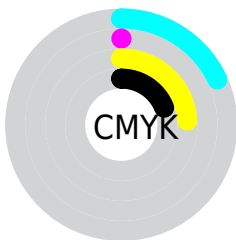
# Distribution



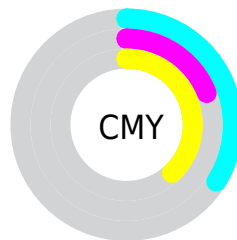
- Red (66%)
- Green (81%)
- Blue (62%)



- Red (62%)
- Yellow (81%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (24%)
- Black (19%)




- Cyan (34%)
- Magenta (19%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5293, 0.3179, 0.3936 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 55.5293, 0.3179, 0.3936 by changing the saturation by 10% instead.





 55.5293, 0.3179,  
0.3936


 55.5293, 0.3179,  
0.3936


407.9152, 0.3160,  
0.3611

 39.8257, 0.3182,  
0.4017

 98.3160, 0.3174,  
0.3818

 27.4026, 0.3184,  
0.4122


 126.1679, 0.3171,  
0.3773

 17.8758, 0.3184,  
0.4261


158.8380, 0.3169,  
0.3736

 10.8609, 0.3180,  
0.4455

196.7107, 0.3167,  
0.3704

 5.9734, 0.3166,  
0.4741

240.1703, 0.3165,  
0.3676

 2.8289, 0.3119,  
0.5204

289.6014, 0.3163,

 1.0431, 0.3030,

0.3652

0.6970

345.3882, 0.3162,  
0.3630

0.0000, 0.0000,  
0.0000

55.5293, 0.3179,  
0.3936

55.5293, 0.3179,  
0.3936

53.2105, 0.3195,  
0.4252

58.1908, 0.3159,  
0.3644

51.2132, 0.3205,  
0.4584

61.2008, 0.3136,  
0.3380

49.5251, 0.3206,  
0.4917

64.5740, 0.3112,  
0.3144

48.1301, 0.3197,  
0.5234

68.3222, 0.3088,  
0.2937

47.0106, 0.3176,  
0.5511

72.0307, 0.3108,  
0.2815

■ 46.1469, 0.3145,  
0.5729

■ 73.1058, 0.3149,  
0.2821

■ 45.5163, 0.3105,  
0.5875

■ 45.2195, 0.3080,  
0.5936

# Harmonies

## Analogous

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



55.5293, 0.3556, 0.3988



55.5293, 0.3179, 0.3936



55.5293, 0.2803, 0.3671

# Triad

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



55.5293, 0.3179, 0.3936



55.5293, 0.2460, 0.2720



55.5293, 0.3763, 0.3239

# Complementary

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



55.5293, 0.3179, 0.3936



40.6923, 0.3055, 0.2688

# 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.



55.5293, 0.3435, 0.2946



55.5293, 0.3179, 0.3936



55.5293, 0.2684, 0.2653

# Square

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



55.5293, 0.3179, 0.3936



55.5293, 0.2404, 0.2945



55.5293, 0.3036, 0.2737



55.5293, 0.3909, 0.3558



# Rectangle

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



55.5293, 0.3179, 0.3936



55.5293, 0.2602, 0.3423



55.5293, 0.3036, 0.2737



55.5293, 0.3669, 0.3135

# Sweetspot

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



55.5317, 0.3179, 0.3936



96.3729, 0.3144, 0.3467



55.0190, 0.3511, 0.3747



20.5637, 0.3145, 0.3483



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

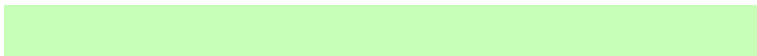


# Same Dimension

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



55.5317, 0.3179, 0.3936



87.1960, 0.3187, 0.4081



54.8379, 0.3009, 0.3770



13.3326, 0.3149, 0.3528



28.5253, 0.3088, 0.5930



1.6313, 0.3218, 0.5827



# Inverse Universe

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



40.6923, 0.3055, 0.2688



59.6760, 0.3037, 0.2564



41.6116, 0.3270, 0.2854



11.8694, 0.3102, 0.3058



7.6201, 0.2649, 0.1233



0.4598, 0.2757, 0.1293



# Previews

## White Background



This preview shows how the Yxy color 55.5293, 0.3179, 0.3936 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 55.5293, 0.3179, 0.3936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

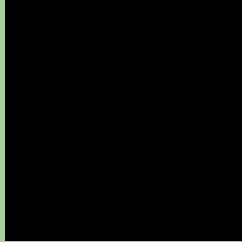
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.5293, 0.3179, 0.3936**

## Background



This preview shows how black text looks on a background with the Yxy color 55.5293, 0.3179, 0.3936.



This preview shows how white text looks on a background with the Yxy color 55.5293, 0.3179, 0.3936.

# 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

55.5293, 0.3179, 0.3936

### Protanopia

55.3351, 0.3566, 0.3811

### Deuteranopia

54.9060, 0.3674, 0.3591



## Tritanopia

55.2181, 0.2860, 0.3093

# Trichromacy



**Original Color**

55.5293, 0.3179, 0.3936

**Protanomaly**

55.1444, 0.3413, 0.3855

**Deuteranomaly**

54.7252, 0.3480, 0.3705

**Tritanomaly**

55.2501, 0.2979, 0.3391

# Monochromacy



**Original Color**

55.5293, 0.3179, 0.3936

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.6393, 0.3148, 0.3521

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.5293, 0.3179, 0.3936 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(169, 207, 158)` looks like.

```
.text, #text, p{  
    color:rgb(169, 207, 158)  
}
```

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(169, 207, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 207, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5293, 0.3179, 0.3936 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(169, 207, 158) }
```

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

```
.border{ border-color:rgb(169, 207, 158) }
```

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

Here you see how a box with a 4 pixel rgb(169, 207, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 207, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 207, 158);  
box-shadow:4px 4px 4px 4px rgb(169, 207,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5293, 0.3179, 0.3936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 207, 158) }
```

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

```
.background{ background-color: rgb(169,  
207, 158) }
```

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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