

# Converting Colors

$Y_{xy}(53.2690, 0.2950, 0.3707)$

Have a look what the booklet for  
Yxy(53.2690, 0.2950, 0.3707)  
contains.

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# Color

**Yxy(53.3940, 0.2947, 0.3710)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98CDAE
RGB	152, 205, 174
RGB Percent	60%, 80%, 68%
CMY	0.4041, 0.1960, 0.3177
CMYK	0.26, 0.00, 0.15, 0.20
HSL	145°, 35%, 70%
HSV	145°, 26%, 80%
XYZ	42.4130, 53.3940, 48.1122
YIQ	185.6190, -21.6370, -20.8770

# Conversions

## Conversions Part 2

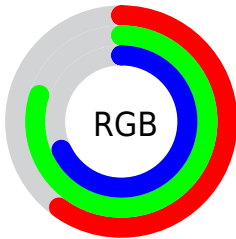
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">152, 189, 205</a>
Decimal	<a href="#">10014126</a>
CIELab	<a href="#">78.11, -23.55, 9.92</a>
CIELCh	<a href="#">78, 25.556, 157.159</a>
Yxy	<a href="#">53.3940, 0.2947, 0.3710</a>
Android (android.graphics.Color)	<a href="#">4288204206 (0xFF98CDAE)</a>
YUV	<a href="#">185.6190, -5.7282, -29.4839</a>
Hunter-Lab	<a href="#">73.0712, -24.2672, 12.1116</a>

# Details

The Yxy color **53.3940, 0.2947, 0.3710** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.8401, 0.3362, 0.2905**, and the grayscale version is **48.9161, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4425, 0.2982, 0.3565**, and **26.2477, 0.2895, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **51.1400, 0.2885, 0.3904**, and if you desaturate by 10%, it is **56.0360, 0.3015, 0.3534**.

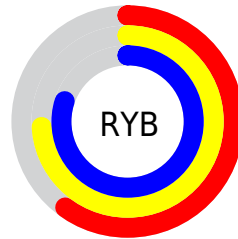
# Distribution



Red (60%)

Green (80%)

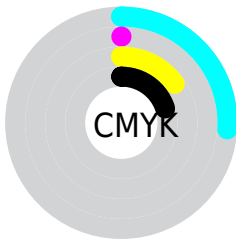
Blue (68%)



Red (60%)

Yellow (74%)

Blue (80%)

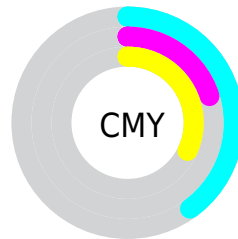


Cyan (26%)

Magenta (0%)

Yellow (15%)

Black (20%)



Cyan (40%)

Magenta (20%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3940, 0.2947, 0.3710 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 53.3940, 0.2947, 0.3710 by changing the saturation by 10% instead.





 53.3940, 0.2947,  
0.3710

 53.3940, 0.2947,  
0.3710


399.7949, 0.3038,  
0.3499

 38.1174, 0.2924,  
0.3763

 95.1839, 0.2980,  
0.3633

 26.0738, 0.2894,  
0.3832


 122.4659, 0.2993,  
0.3604

 16.8789, 0.2855,  
0.3923

154.5186, 0.3003,  
0.3580

 10.1482, 0.2799,  
0.4052

191.7263, 0.3012,  
0.3559

 5.4973, 0.2714,  
0.4246

234.4734, 0.3020,  
0.3541

 2.5419, 0.2572,  
0.4569

283.1442, 0.3027,

 0.8975, 0.1906,

0.3525

0.6150

338.1233, 0.3033,  
0.3511

0.0000, 0.0000,  
0.0000

53.3940, 0.2947,  
0.3710

53.3940, 0.2947,  
0.3710

51.1400, 0.2885,  
0.3904

56.0360, 0.3015,  
0.3534

49.2487, 0.2831,  
0.4113

59.0768, 0.3085,  
0.3375

47.7020, 0.2789,  
0.4335


62.5348, 0.3156,  
0.3234

46.4775, 0.2762,  
0.4563

66.4254, 0.3227,  
0.3110


45.5502, 0.2752,  
0.4791


70.7631, 0.3296,  
0.3001

 44.8910, 0.2762,  
0.5011

 71.5774, 0.3214,  
0.2886

 44.4640, 0.2790,  
0.5214

 72.1495, 0.3150,  
0.2802

 44.3281, 0.2803,  
0.5292

# Harmonies

## Analogous

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



53.3940, 0.3287, 0.3885



53.3940, 0.2947, 0.3710



53.3940, 0.2666, 0.3404

# Triad

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



53.3940, 0.2947, 0.3710



53.3940, 0.2661, 0.2735



53.3940, 0.3786, 0.3439

# Complementary

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



53.3940, 0.2947, 0.3710



38.8401, 0.3362, 0.2905

# 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.



53.3940, 0.3601, 0.3159



53.3940, 0.2947, 0.3710



53.3940, 0.2940, 0.2766

# Square

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



53.3940, 0.2947, 0.3710



53.3940, 0.2509, 0.2843



53.3940, 0.3285, 0.2918



53.3940, 0.3782, 0.3701



# Rectangle

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



53.3940, 0.2947, 0.3710



53.3940, 0.2546, 0.3184



53.3940, 0.3285, 0.2918



53.3940, 0.3744, 0.3345

# Sweetspot

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



53.3962, 0.2947, 0.3710



95.5897, 0.3069, 0.3409



56.0994, 0.3341, 0.3969



20.2933, 0.3059, 0.3432



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

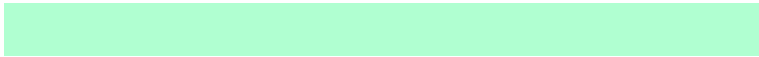


# Same Dimension

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



53.3962, 0.2947, 0.3710



85.3373, 0.2912, 0.3815



54.4969, 0.2783, 0.3358



12.6130, 0.3060, 0.3429



27.6095, 0.2796, 0.5266



1.4393, 0.2686, 0.4871



# Inverse Universe

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



38.8401, 0.3362, 0.2905



57.5736, 0.3426, 0.2820



37.8655, 0.3619, 0.3224



11.3218, 0.3200, 0.3155



8.9411, 0.4590, 0.2302



0.4762, 0.4249, 0.2114



# Previews

## White Background



This preview shows how the Yxy color 53.3940, 0.2947, 0.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

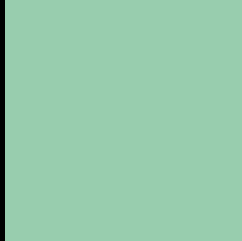
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3940, 0.2947, 0.3710 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

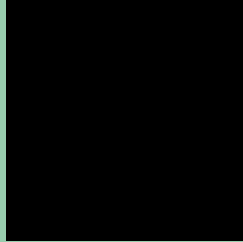
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3940, 0.2947, 0.3710**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3940, 0.2947, 0.3710.

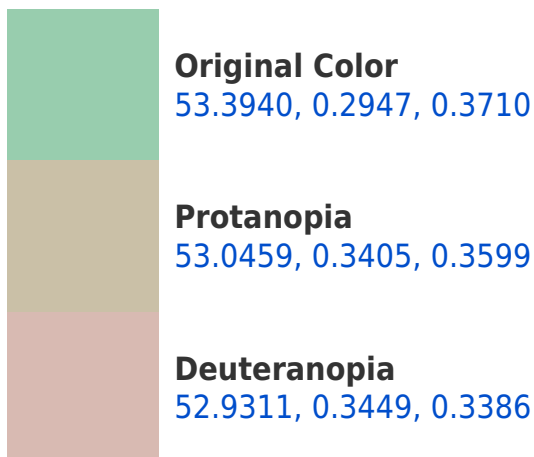


This preview shows how white text looks on a background with the Yxy color 53.3940, 0.2947, 0.3710.

# 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

53.2267, 0.2736, 0.3086

# Trichromacy



**Original Color**

53.3940, 0.2947, 0.3710

**Protanomaly**

53.0251, 0.3223, 0.3637

**Deuteranomaly**

52.6517, 0.3249, 0.3491

**Tritanomaly**

53.1115, 0.2811, 0.3302

# Monochromacy



**Original Color**

53.3940, 0.2947, 0.3710

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

50.5160, 0.3057, 0.3434

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3940, 0.2947, 0.3710 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(152, 205, 174)` looks like.

```
.text, #text, p{  
    color:rgb(152, 205, 174)  
}
```

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(152, 205, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 205, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3940, 0.2947, 0.3710 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(152, 205, 174) }
```

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

```
.border{ border-color:rgb(152, 205, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 205, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 205, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 205, 174);  
box-shadow:4px 4px 4px 4px rgb(152, 205,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3940, 0.2947, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 205, 174) }
```

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

```
.background{ background-color: rgb(152,  
205, 174) }
```

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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