

# Converting Colors

Yxy(53.4692, 0.3132, 0.4149)

Have a look what the booklet for  
Yxy(53.4692, 0.3132, 0.4149)  
contains.

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# Color

**Yxy(53.2493, 0.3130, 0.4148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97CF91
RGB	151, 207, 145
RGB Percent	59%, 81%, 57%
CMY	0.4080, 0.1882, 0.4314
CMYK	0.27, 0.00, 0.30, 0.19
HSL	114°, 39%, 69%
HSV	114°, 30%, 81%
XYZ	40.1809, 53.2493, 34.9432
YIQ	183.1880, -13.4740, -31.1540

# Conversions

## Conversions Part 2

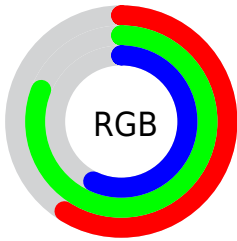
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 207, 201
Decimal	9949073
CIELab	78.02, -30.01, 25.18
CIElCh	78, 39.172, 140.004
Yxy	53.2493, 0.3130, 0.4148
Android (android.graphics.Color)	4288139153 (0xFF97CF91)
YUV	183.1880, -18.8267, -28.2289
Hunter-Lab	72.9721, -29.4131, 22.6890

# Details

The Yxy color **53.2493, 0.3130, 0.4148** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.1750, 0.3105, 0.2538**, and the grayscale version is **47.5704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7653, 0.3141, 0.3899**, and **25.8613, 0.3112, 0.4401** is the 20% darker color. If you saturate the color by 10%, you get **51.0206, 0.3125, 0.4488**, and if you desaturate by 10%, it is **55.8828, 0.3131, 0.3831**.

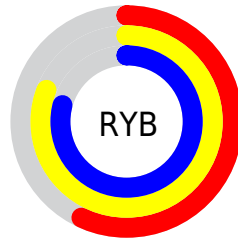
# Distribution



Red (59%)

Green (81%)

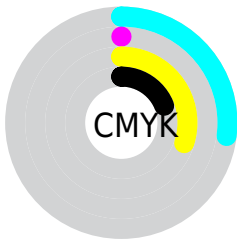
Blue (57%)



Red (57%)

Yellow (81%)

Blue (79%)

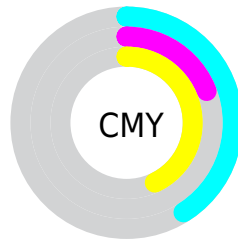


Cyan (27%)

Magenta (0%)

Yellow (30%)

Black (19%)



Cyan (41%)

Magenta (19%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2493, 0.3130, 0.4148 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 53.2493, 0.3130, 0.4148 by changing the saturation by 10% instead.





 53.2493, 0.3130,  
0.4148

 53.2493, 0.3130,  
0.4148


399.2409, 0.3140,  
0.3709

 38.0018, 0.3124,  
0.4260


 94.9711, 0.3136,  
0.3986

 25.9841, 0.3113,  
0.4405


 122.2142, 0.3138,  
0.3926

 16.8117, 0.3096,  
0.4600


154.2247, 0.3139,  
0.3876

 10.1004, 0.3063,  
0.4875

191.3869, 0.3140,  
0.3832

 5.4656, 0.2997,  
0.5285

234.0852, 0.3140,  
0.3795

 2.5229, 0.2913,  
0.6092

282.7040, 0.3140,


 0.8881, 0.1116,

0.3763

0.8884

337.6278, 0.3140,  
0.3734


 0.0000, 0.0000,  
0.0000

 53.2493, 0.3130,  
0.4148


 53.2493, 0.3130,  
0.4148


 51.0206, 0.3125,  
0.4488


 55.8828, 0.3131,  
0.3831


 49.1702, 0.3116,  
0.4837


 58.9327, 0.3130,  
0.3544


 47.6790, 0.3102,  
0.5176

 62.4184, 0.3127,  
0.3289

 46.5236, 0.3084,  
0.5480

 66.3561, 0.3123,  
0.3066

 45.6776, 0.3063,  
0.5725

 70.7613, 0.3118,  
0.2872

■ 45.1108, 0.3040,  
0.5892

■ 73.1113, 0.3149,  
0.2821

■ 44.7805, 0.3020,  
0.5983

■ 44.7796, 0.3020,  
0.5984

# Harmonies

## Analogous

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



53.2493, 0.3638, 0.4234



53.2493, 0.3130, 0.4148



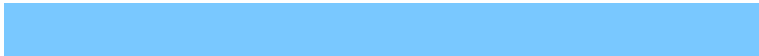
53.2493, 0.2645, 0.3757

# Triad

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



53.2493, 0.3130, 0.4148



53.2493, 0.2276, 0.2519



53.2493, 0.4013, 0.3253

# Complementary

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



53.2493, 0.3130, 0.4148



37.1750, 0.3105, 0.2538

# 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.



53.2493, 0.3588, 0.2873



53.2493, 0.3130, 0.4148



53.2493, 0.2581, 0.2463

# Square

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



53.2493, 0.3130, 0.4148



53.2493, 0.2180, 0.2781



53.2493, 0.3053, 0.2593



53.2493, 0.4175, 0.3666



# Rectangle

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



53.2493, 0.3130, 0.4148



53.2493, 0.2398, 0.3406



53.2493, 0.3053, 0.2593



53.2493, 0.3894, 0.3119

# Sweetspot

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



53.2516, 0.3130, 0.4148



94.8859, 0.3130, 0.3521



56.9955, 0.3596, 0.3965



20.1443, 0.3130, 0.3561



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

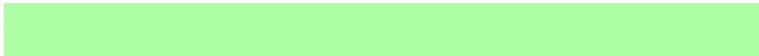


# Same Dimension

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



53.2516, 0.3130, 0.4148



82.9478, 0.3127, 0.4366



53.5447, 0.2927, 0.3801



13.2600, 0.3130, 0.3529



28.2283, 0.3024, 0.5981



1.5975, 0.3097, 0.5923



# Inverse Universe

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



37.1750, 0.3105, 0.2538



53.1055, 0.3097, 0.2375



36.9003, 0.3400, 0.2830



11.9487, 0.3123, 0.3060



9.5210, 0.2969, 0.1409



0.5496, 0.3016, 0.1435



# Previews

## White Background



This preview shows how the Yxy color 53.2493, 0.3130, 0.4148 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 53.2493, 0.3130, 0.4148 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

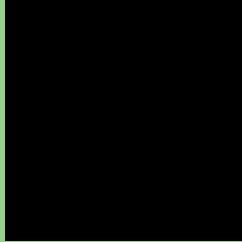
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.2493, 0.3130, 0.4148**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2493, 0.3130, 0.4148.



This preview shows how white text looks on a background with the Yxy color 53.2493, 0.3130, 0.4148.

# 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**

53.2493, 0.3130, 0.4148

**Protanopia**

52.7996, 0.3680, 0.3952

**Deuteranopia**

52.4905, 0.3772, 0.3688



## Tritanopia

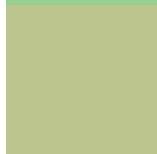
53.0297, 0.2761, 0.3086

# Trichromacy



## Original Color

53.2493, 0.3130, 0.4148



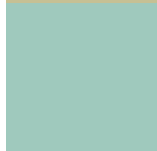
## Protanomaly

52.4204, 0.3466, 0.4013



## Deuteranomaly

51.8432, 0.3521, 0.3845



## Tritanomaly

52.8183, 0.2896, 0.3448

# Monochromacy



## Original Color

53.2493, 0.3130, 0.4148



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

49.2218, 0.3129, 0.3598

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2493, 0.3130, 0.4148 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(151, 207, 145)` looks like.

```
.text, #text, p{  
    color:rgb(151, 207, 145)  
}
```

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(151, 207, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 207, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2493, 0.3130, 0.4148 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(151, 207, 145) }
```

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

```
.border{ border-color:rgb(151, 207, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 207, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 207, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 207, 145);  
box-shadow:4px 4px 4px 4px rgb(151, 207,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2493, 0.3130, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 207, 145) }
```

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

```
.background{ background-color: rgb(151,  
207, 145) }
```

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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