

# Converting Colors

Yxy(52.9659, 0.3108, 0.4153)

Have a look what the booklet for  
Yxy(52.9659, 0.3108, 0.4153)  
contains.

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# Color

**Yxy(52.9659, 0.3108, 0.4153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94CF91
RGB	148, 207, 145
RGB Percent	58%, 81%, 57%
CMY	0.4196, 0.1882, 0.4313
CMYK	0.29, 0.00, 0.30, 0.19
HSL	117°, 39%, 69%
HSV	117°, 30%, 81%
XYZ	39.6383, 52.9659, 34.9322
YIQ	182.2910, -15.2620, -31.7900

# Conversions

## Conversions Part 2

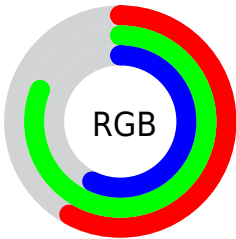
Format	Color
<b>RYB</b>	145, 207, 204
Decimal	9752465
CIELab	77.85, -30.99, 24.90
CIELCh	78, 39.752, 141.210
Yxy	52.9659, 0.3108, 0.4153
Android (android.graphics.Color)	4287942545 (0xFF94CF91)
YUV	182.2910, -18.3845, -30.0732
Hunter-Lab	72.7777, -30.1410, 22.4860

# Details

The Yxy color **52.9659, 0.3108, 0.4153** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.6048, 0.3134, 0.2545**, and the grayscale version is **47.0569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3400, 0.3123, 0.3902**, and **25.6975, 0.3084, 0.4410** is the 20% darker color. If you saturate the color by 10%, you get **50.7026, 0.3097, 0.4497**, and if you desaturate by 10%, it is **55.6629, 0.3116, 0.3833**.

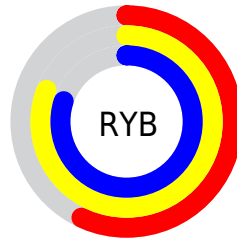
# Distribution



Red (58%)

Green (81%)

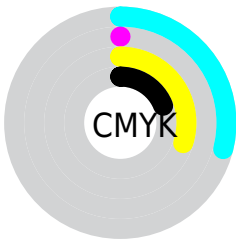
Blue (57%)



Red (57%)

Yellow (81%)

Blue (80%)

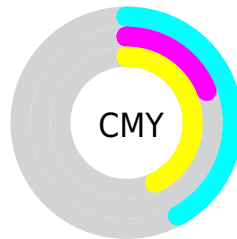


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (19%)



Cyan (42%)

Magenta (19%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9659, 0.3108, 0.4153 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 52.9659, 0.3108, 0.4153 by changing the saturation by 10% instead.





 52.9659, 0.3108,  
0.4153


 52.9659, 0.3108,  
0.4153


398.1543, 0.3129,  
0.3710

 37.7755, 0.3099,  
0.4266

 94.5542, 0.3118,  
0.3990

 25.8085, 0.3085,  
0.4413


 121.7209, 0.3121,  
0.3929

 16.6805, 0.3063,  
0.4611

153.6486, 0.3124,  
0.3878

 10.0069, 0.3024,  
0.4890

190.7215, 0.3125,  
0.3835

 5.4036, 0.2949,  
0.5308

233.3242, 0.3127,  
0.3797

 2.4859, 0.2850,  
0.6135

281.8409, 0.3128,


 0.8696, 0.0746,

0.3765


0.9254

336.6562, 0.3128,  
0.3736


 0.0000, 0.0000,  
0.0000

 52.9659, 0.3108,  
0.4153


 52.9659, 0.3108,  
0.4153


 50.7026, 0.3097,  
0.4497


 55.6629, 0.3116,  
0.3833


 48.8440, 0.3084,  
0.4851

 58.8073, 0.3123,  
0.3544


 47.3684, 0.3069,  
0.5195

 62.4208, 0.3127,  
0.3289

 46.2488, 0.3052,  
0.5501

 66.5213, 0.3130,  
0.3066

 45.4554, 0.3035,  
0.5745

 71.1261, 0.3132,  
0.2873

■ 44.9528, 0.3019,  
0.5907

■ 73.1067, 0.3149,  
0.2821

■ 44.6919, 0.3009,  
0.5993

■ 44.6909, 0.3009,  
0.5993

# Harmonies

## Analogous

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



52.9659, 0.3626, 0.4252



52.9659, 0.3108, 0.4153



52.9659, 0.2620, 0.3745

# Triad

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



52.9659, 0.3108, 0.4153



52.9659, 0.2272, 0.2501



52.9659, 0.4040, 0.3268

# Complementary

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



52.9659, 0.3108, 0.4153



37.6048, 0.3134, 0.2545

# 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.



52.9659, 0.3616, 0.2881



52.9659, 0.3108, 0.4153



52.9659, 0.2589, 0.2453

# Square

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



52.9659, 0.3108, 0.4153



52.9659, 0.2166, 0.2757



52.9659, 0.3073, 0.2591



52.9659, 0.4192, 0.3687



# Rectangle

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



52.9659, 0.3108, 0.4153



52.9659, 0.2374, 0.3386



52.9659, 0.3073, 0.2591



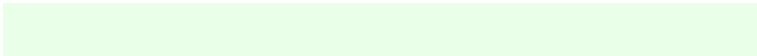
52.9659, 0.3923, 0.3132

# Sweetspot

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



52.9681, 0.3108, 0.4153



94.6984, 0.3123, 0.3521



58.4507, 0.3586, 0.3998



20.0986, 0.3122, 0.3561



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

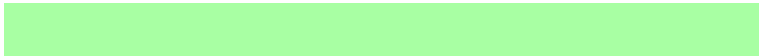


# Same Dimension

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



52.9681, 0.3108, 0.4153



82.4537, 0.3101, 0.4375



53.6627, 0.2907, 0.3756



13.2330, 0.3123, 0.3530



28.1683, 0.3011, 0.5991



1.5847, 0.3049, 0.5961



# Inverse Universe

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



37.6048, 0.3134, 0.2545



53.9186, 0.3133, 0.2386



36.7839, 0.3431, 0.2867



11.9789, 0.3130, 0.3060



10.3340, 0.3090, 0.1476



0.5869, 0.3113, 0.1489



# Previews

## White Background



This preview shows how the Yxy color 52.9659, 0.3108, 0.4153 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 52.9659, 0.3108, 0.4153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

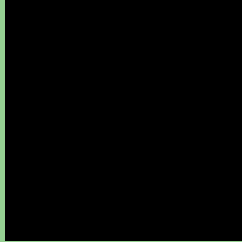
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.9659, 0.3108, 0.4153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.9659, 0.3108, 0.4153.



This preview shows how white text looks on a background with the Yxy color 52.9659, 0.3108, 0.4153.

# 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**

52.9659, 0.3108, 0.4153

**Protanopia**

52.6561, 0.3671, 0.3954

**Deuteranopia**

52.3303, 0.3763, 0.3689



## Tritanopia

52.7168, 0.2741, 0.3085

# Trichromacy



## Original Color

52.9659, 0.3108, 0.4153



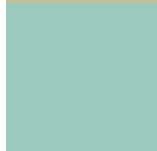
## Protanomaly

52.1699, 0.3448, 0.4017



## Deuteranomaly

51.5732, 0.3504, 0.3848



## Tritanomaly

52.5153, 0.2875, 0.3449

# Monochromacy



## Original Color

52.9659, 0.3108, 0.4153



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

48.6722, 0.3121, 0.3586

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.9659, 0.3108, 0.4153 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, 207, 145)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 207, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 207, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 52.9659, 0.3108, 0.4153 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, 207, 145) }
```

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

```
.border{ border-color:rgb(148, 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(148, 207, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 207, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 207, 145);  
box-shadow:4px 4px 4px 4px rgb(148, 207,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.9659, 0.3108, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 207, 145) }
```

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

```
.background{ background-color: rgb(148,  
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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