

# Converting Colors

Yxy(52.9888, 0.3103, 0.3913)

Have a look what the booklet for  
Yxy(52.9888, 0.3103, 0.3913)  
contains.

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# Color

**Yxy(53.0253, 0.3105, 0.3915)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FCC9E
RGB	159, 204, 158
RGB Percent	62%, 80%, 62%
CMY	0.3767, 0.1999, 0.3804
CMYK	0.22, 0.00, 0.23, 0.20
HSL	119°, 31%, 71%
HSV	119°, 23%, 80%
XYZ	42.0545, 53.0253, 40.3615
YIQ	185.3010, -12.0540, -23.8460

# Conversions

## Conversions Part 2

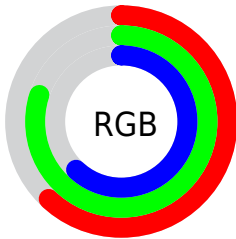
<b>Format</b>	<b>Color</b>
<b>RYB</b>	158, 204, 203
Decimal	10472606
CIELab	77.89, -23.70, 18.21
CIELCh	78, 29.884, 142.458
Yxy	53.0253, 0.3105, 0.3915
Android (android.graphics.Color)	4288662686 (0xFF9FCC9E)
YUV	185.3010, -13.4594, -23.0660
Hunter-Lab	72.8185, -24.3440, 18.1099

# Details

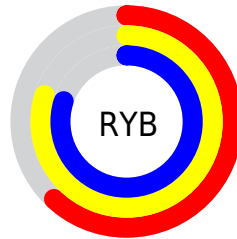
The Yxy color **53.0253, 0.3105, 0.3915** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.5155, 0.3144, 0.2733**, and the grayscale version is **48.7692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6202, 0.3112, 0.3736**, and **25.9791, 0.3098, 0.4113** is the 20% darker color. If you saturate the color by 10%, you get **50.5032, 0.3092, 0.4244**, and if you desaturate by 10%, it is **55.9985, 0.3116, 0.3617**.

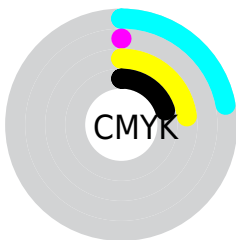
# Distribution



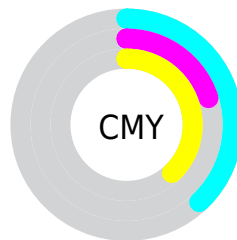
- Red (62%)
- Green (80%)
- Blue (62%)



- Red (62%)
- Yellow (80%)
- Blue (80%)



- Cyan (22%)
- Magenta (0%)
- Yellow (23%)
- Black (20%)




- Cyan (38%)
- Magenta (20%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0253, 0.3105, 0.3915 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 53.0253, 0.3105, 0.3915 by changing the saturation by 10% instead.





 53.0253, 0.3105,  
0.3915

 53.0253, 0.3105,  
0.3915


398.3822, 0.3122,  
0.3598

 37.8230, 0.3099,  
0.3996

 94.6416, 0.3113,  
0.3799

 25.8453, 0.3090,  
0.4100


 121.8243, 0.3115,  
0.3755

 16.7080, 0.3076,  
0.4239


153.7694, 0.3117,  
0.3719

 10.0265, 0.3053,  
0.4436

190.8610, 0.3118,  
0.3687

 5.4165, 0.3011,  
0.4733

233.4838, 0.3119,  
0.3660

 2.4937, 0.2921,  
0.5227

282.0219, 0.3120,


 0.8735, 0.2237,


0.3637


0.7763


336.8599, 0.3121,  
0.3616


 0.0000, 0.0000,  
0.0000


 53.0253, 0.3105,  
0.3915


 53.0253, 0.3105,  
0.3915

 50.5032, 0.3092,  
0.4244

 55.9985, 0.3116,  
0.3617


 48.4039, 0.3078,  
0.4595


 59.4362, 0.3125,  
0.3352


 46.7063, 0.3062,  
0.4950

 63.3594, 0.3133,  
0.3122

 45.3847, 0.3046,  
0.5288

 67.7862, 0.3139,  
0.2922

 44.4106, 0.3031,  
0.5581

 71.6732, 0.3151,  
0.2792

■ 43.7513, 0.3018,  
0.5804

■ 43.3679, 0.3008,  
0.5941

■ 43.2207, 0.3004,  
0.5997

# Harmonies

## Analogous

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



53.0253, 0.3498, 0.4010



53.0253, 0.3105, 0.3915



53.0253, 0.2733, 0.3612

# Triad

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



53.0253, 0.3105, 0.3915



53.0253, 0.2478, 0.2684



53.0253, 0.3820, 0.3297

# Complementary

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



53.0253, 0.3105, 0.3915



41.5155, 0.3144, 0.2733

# 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.



53.0253, 0.3513, 0.2990



53.0253, 0.3105, 0.3915



53.0253, 0.2733, 0.2646

# Square

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



53.0253, 0.3105, 0.3915



53.0253, 0.2387, 0.2883



53.0253, 0.3109, 0.2757



53.0253, 0.3927, 0.3621



# Rectangle

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



53.0253, 0.3105, 0.3915



53.0253, 0.2545, 0.3352



53.0253, 0.3109, 0.2757



53.0253, 0.3736, 0.3190

# Sweetspot

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



53.0276, 0.3105, 0.3915



95.7378, 0.3121, 0.3468



57.7754, 0.3468, 0.3831



20.4172, 0.3121, 0.3484



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

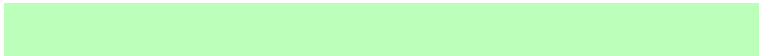


# Same Dimension

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



53.0276, 0.3105, 0.3915



85.7105, 0.3099, 0.4069



53.7352, 0.2953, 0.3617



12.5479, 0.3119, 0.3529



27.2039, 0.3005, 0.5996



1.4074, 0.3023, 0.5982



# Inverse Universe

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



41.5155, 0.3144, 0.2733



63.3896, 0.3148, 0.2613



40.6901, 0.3347, 0.2985



11.3914, 0.3135, 0.3061



10.4560, 0.3158, 0.1513



0.5433, 0.3168, 0.1519



# Previews

## White Background



This preview shows how the Yxy color 53.0253, 0.3105, 0.3915 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 53.0253, 0.3105, 0.3915 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

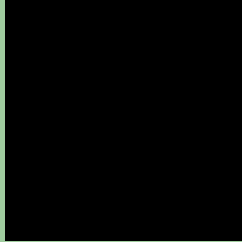
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0253, 0.3105, 0.3915**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0253, 0.3105, 0.3915.



This preview shows how white text looks on a background with the Yxy color 53.0253, 0.3105, 0.3915.

# 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

53.0253, 0.3105, 0.3915

### Protanopia

52.8036, 0.3542, 0.3785

### Deuteranopia

52.6787, 0.3630, 0.3562



## Tritanopia

53.0108, 0.2807, 0.3100

# Trichromacy



**Original Color**

53.0253, 0.3105, 0.3915

**Protanomaly**

52.5043, 0.3378, 0.3830

**Deuteranomaly**

52.2782, 0.3418, 0.3679

**Tritanomaly**

53.1137, 0.2919, 0.3394

# Monochromacy



**Original Color**

53.0253, 0.3105, 0.3915

**Achromatopsia**

48.5150, 0.3127, 0.3290

**Achromatomaly**

50.0245, 0.3125, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0253, 0.3105, 0.3915 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(159, 204, 158)` looks like.

```
.text, #text, p{  
    color:rgb(159, 204, 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(159, 204, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 204, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0253, 0.3105, 0.3915 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(159, 204, 158) }
```

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

```
.border{ border-color:rgb(159, 204, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 204, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 204, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 204, 158); box-shadow:4px 4px 4px 4px rgb(159, 204, 158) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0253, 0.3105, 0.3915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 204, 158) }
```

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

```
.background{ background-color: rgb(159,  
204, 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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