

# Converting Colors

$Yxy(53.5970, 0.3012, 0.4107)$

Have a look what the booklet for  
Yxy(53.5970, 0.3012, 0.4107)  
contains.

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# Color

**Yxy(53.4107, 0.3012, 0.4104)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CD197
RGB	140, 209, 151
RGB Percent	55%, 82%, 59%
CMY	0.4511, 0.1804, 0.4077
CMYK	0.33, 0.00, 0.28, 0.18
HSL	130°, 43%, 68%
HSV	130°, 33%, 82%
XYZ	39.1991, 53.4107, 37.5333
YIQ	181.7570, -22.5060, -32.6660

# Conversions

## Conversions Part 2

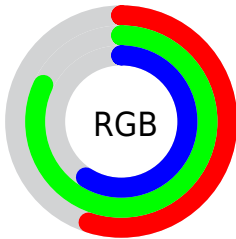
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">140, 200, 209</a>
Decimal	<a href="#">9228695</a>
CIELab	<a href="#">78.12, -33.50, 22.04</a>
CIELCh	<a href="#">78, 40.098, 146.661</a>
Yxy	<a href="#">53.4107, 0.3012, 0.4104</a>
Android (android.graphics.Color)	<a href="#">4287418775</a> ( <a href="#">0xFF8CD197</a> )
YUV	<a href="#">181.7570, -15.1632, -36.6209</a>
Hunter-Lab	<a href="#">73.0826, -32.1531, 20.7081</a>

# Details

The Yxy color **53.4107, 0.3012, 0.4104** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.3777, 0.3270, 0.2594**, and the grayscale version is **46.7316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5299, 0.3041, 0.3842**, and **26.0575, 0.2965, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **51.2383, 0.2981, 0.4404**, and if you desaturate by 10%, it is **56.0172, 0.3046, 0.3826**.

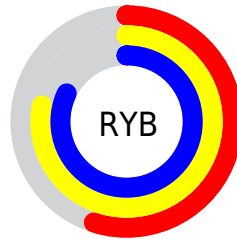
# Distribution



Red (55%)

Green (82%)

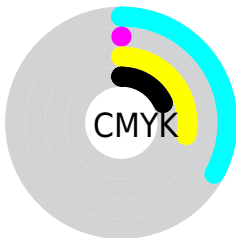
Blue (59%)



Red (55%)

Yellow (78%)

Blue (82%)

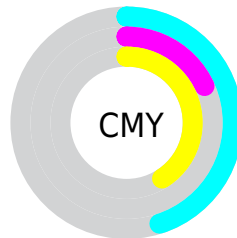


Cyan (33%)

Magenta (0%)

Yellow (28%)

Black (18%)



Cyan (45%)

Magenta (18%)


Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4107, 0.3012, 0.4104 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 53.4107, 0.3012, 0.4104 by changing the saturation by 10% instead.





 53.4107, 0.3012,  
0.4104


 53.4107, 0.3012,  
0.4104

399.8588, 0.3079,  
0.3687


 38.1307, 0.2992,  
0.4211


 95.2084, 0.3038,  
0.3950

 26.0842, 0.2966,  
0.4350


 122.4950, 0.3048,  
0.3893

 16.8866, 0.2927,  
0.4537

 154.5525, 0.3055,  
0.3845

 10.1537, 0.2867,  
0.4803

191.7655, 0.3062,  
0.3804

 5.5010, 0.2766,  
0.5204

234.5181, 0.3067,  
0.3769

 2.5441, 0.2589,  
0.5916

283.1950, 0.3071,

 0.8986, 0.0388,

0.3738

0.9612

338.1804, 0.3075,  
0.3711

0.0000, 0.0000,  
0.0000

53.4107, 0.3012,  
0.4104

53.4107, 0.3012,  
0.4104

51.2383, 0.2981,  
0.4404

56.0172, 0.3046,  
0.3826

49.4701, 0.2956,  
0.4716

59.0728, 0.3081,  
0.3575

48.0828, 0.2939,  
0.5028

62.5997, 0.3117,  
0.3352

47.0477, 0.2932,  
0.5319

66.6168, 0.3151,  
0.3157

46.3324, 0.2937,  
0.5572

71.1420, 0.3183,  
0.2987

■ 45.8980, 0.2951,  
0.5769

■ 74.0850, 0.3148,  
0.2841

■ 45.7176, 0.2964,  
0.5870

# Harmonies

## Analogous

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



53.4107, 0.3538, 0.4265



53.4107, 0.3012, 0.4104



53.4107, 0.2541, 0.3652

# Triad

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



53.4107, 0.3012, 0.4104



53.4107, 0.2310, 0.2473



53.4107, 0.4097, 0.3344

# Complementary

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



53.4107, 0.3012, 0.4104



36.3777, 0.3270, 0.2594

# 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.



53.4107, 0.3711, 0.2944



53.4107, 0.3012, 0.4104



53.4107, 0.2664, 0.2461

# Square

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



53.4107, 0.3012, 0.4104



53.4107, 0.2163, 0.2691



53.4107, 0.3172, 0.2631



53.4107, 0.4191, 0.3762



# Rectangle

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



53.4107, 0.3012, 0.4104



53.4107, 0.2318, 0.3287



53.4107, 0.3172, 0.2631



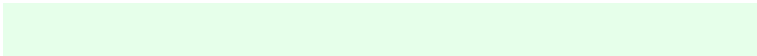
53.4107, 0.3996, 0.3205

# Sweetspot

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



53.4129, 0.3012, 0.4104



94.1771, 0.3092, 0.3507



59.5921, 0.3536, 0.4133



19.9959, 0.3087, 0.3540



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

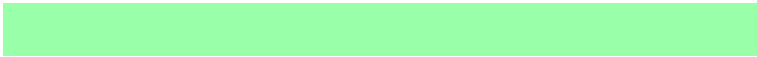


# Same Dimension

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



53.4129, 0.3012, 0.4104



81.1698, 0.2989, 0.4325



54.6738, 0.2802, 0.3617



13.2367, 0.3094, 0.3491



28.1951, 0.2959, 0.5852



1.5864, 0.2875, 0.5549



# Inverse Universe

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



36.3777, 0.3270, 0.2594



50.2542, 0.3310, 0.2441



34.9881, 0.3620, 0.2989



11.9752, 0.3162, 0.3097



10.2908, 0.3657, 0.1788

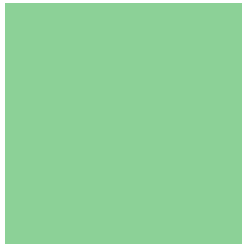


0.5843, 0.3562, 0.1736



# Previews

## White Background



This preview shows how the Yxy color 53.4107, 0.3012, 0.4104 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 53.4107, 0.3012, 0.4104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

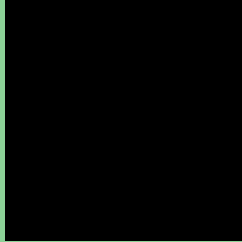
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.4107, 0.3012, 0.4104**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4107, 0.3012, 0.4104.

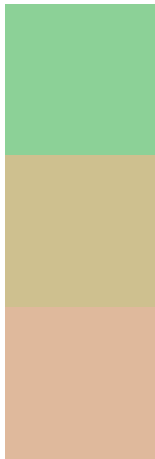


This preview shows how white text looks on a background with the Yxy color 53.4107, 0.3012, 0.4104.

# 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**

53.4107, 0.3012, 0.4104

**Protanopia**

52.8043, 0.3632, 0.3893

**Deuteranopia**

52.7862, 0.3700, 0.3631



## Tritanopia

53.5553, 0.2681, 0.3084

# Trichromacy



## Original Color

53.4107, 0.3012, 0.4104



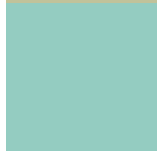
## Protanomaly

52.4086, 0.3383, 0.3969



## Deuteranomaly

52.2541, 0.3426, 0.3799



## Tritanomaly

53.3319, 0.2798, 0.3436

# Monochromacy



## Original Color

53.4107, 0.3012, 0.4104



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

48.8550, 0.3082, 0.3573

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4107, 0.3012, 0.4104 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(140, 209, 151)` looks like.

```
.text, #text, p{  
    color:rgb(140, 209, 151)  
}
```

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(140, 209, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 209, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4107, 0.3012, 0.4104 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(140, 209, 151) }
```

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

```
.border{ border-color:rgb(140, 209, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 209, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 209, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 209, 151);  
box-shadow:4px 4px 4px 4px rgb(140, 209,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4107, 0.3012, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 209, 151) }
```

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

```
.background{ background-color: rgb(140,  
209, 151) }
```

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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