

# Converting Colors

Yxy(51.5317, 0.3149, 0.4097)

Have a look what the booklet for  
Yxy(51.5317, 0.3149, 0.4097)  
contains.

<b>Yxy(51.5285, 0.3149, 0.4097)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(51.5285, 0.3149, 0.4097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CB91
RGB	153, 203, 145
RGB Percent	60%, 80%, 57%
CMY	0.3999, 0.2039, 0.4315
CMYK	0.25, 0.00, 0.29, 0.20
HSL	112°, 36%, 68%
HSV	112°, 29%, 80%
XYZ	39.6054, 51.5285, 34.6374
YIQ	181.4380, -11.1820, -28.6380

# Conversions

## Conversions Part 2

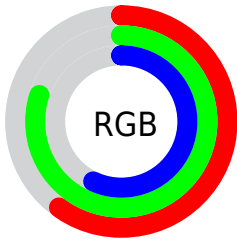
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 203, 195
Decimal	10079121
CIELab	77.00, -27.40, 23.81
CIElCh	77, 36.298, 139.003
Yxy	51.5285, 0.3149, 0.4097
Android (android.graphics.Color)	4288269201 (0xFF99CB91)
YUV	181.4380, -17.9639, -24.9401
Hunter-Lab	71.7834, -27.1362, 21.6393

# Details

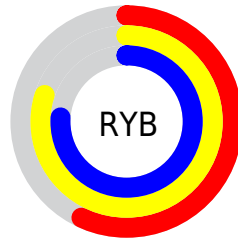
The Yxy color **51.5285, 0.3149, 0.4097** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.1526, 0.3083, 0.2569**, and the grayscale version is **46.5641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0534, 0.3154, 0.3896**, and **25.0124, 0.3134, 0.4350** is the 20% darker color. If you saturate the color by 10%, you get **49.3805, 0.3150, 0.4430**, and if you desaturate by 10%, it is **54.0421, 0.3144, 0.3787**.

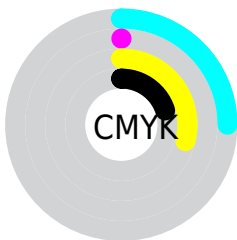
# Distribution



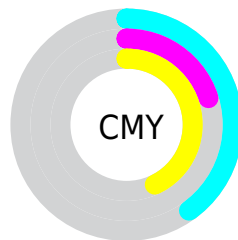
- Red (60%)
- Green (80%)
- Blue (57%)



- Red (57%)
- Yellow (80%)
- Blue (76%)



- Cyan (25%)
- Magenta (0%)
- Yellow (29%)
- Black (20%)




- Cyan (40%)
- Magenta (20%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5285, 0.3149, 0.4097 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 51.5285, 0.3149, 0.4097 by changing the saturation by 10% instead.





 51.5285, 0.3149,  
0.4097

 51.5285, 0.3149,  
0.4097


392.6136, 0.3148,  
0.3683

 36.6294, 0.3146,  
0.4203


 92.4355, 0.3151,  
0.3944

 24.9207, 0.3139,  
0.4341


 119.2122, 0.3151,  
0.3888

 16.0180, 0.3127,  
0.4527


150.7169, 0.3151,  
0.3840

 9.5369, 0.3103,  
0.4789

187.3339, 0.3151,  
0.3799

 5.0930, 0.3050,  
0.5185

229.4477, 0.3150,  
0.3764

 2.3019, 0.3001,  
0.5998

277.4427, 0.3150,

 0.7747, 0.0802,

0.3734

0.9198

331.7032, 0.3149,  
0.3707

0.0000, 0.0000,  
0.0000

51.5285, 0.3149,  
0.4097

51.5285, 0.3149,  
0.4097

49.3805, 0.3150,  
0.4430

54.0421, 0.3144,  
0.3787

47.5748, 0.3146,  
0.4774

56.9304, 0.3136,  
0.3506

46.0955, 0.3136,  
0.5111

60.2104, 0.3126,  
0.3256

44.9227, 0.3118,  
0.5419

63.8959, 0.3115,  
0.3037

44.0346, 0.3095,  
0.5673

68.0002, 0.3103,  
0.2846

■ 43.4060, 0.3067,  
0.5854

■ 71.1924, 0.3151,  
0.2782

■ 43.0042, 0.3039,  
0.5960

■ 42.9613, 0.3036,  
0.5972

# Harmonies

## Analogous

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



51.5285, 0.3624, 0.4171



51.5285, 0.3149, 0.4097



51.5285, 0.2690, 0.3742

# Triad

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



51.5285, 0.3149, 0.4097



51.5285, 0.2319, 0.2571



51.5285, 0.3946, 0.3245

# Complementary

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



51.5285, 0.3149, 0.4097



36.1526, 0.3083, 0.2569

# 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.



51.5285, 0.3543, 0.2888



51.5285, 0.3149, 0.4097



51.5285, 0.2602, 0.2509

# Square

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



51.5285, 0.3149, 0.4097



51.5285, 0.2235, 0.2826



51.5285, 0.3043, 0.2626



51.5285, 0.4108, 0.3635



# Rectangle

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



51.5285, 0.3149, 0.4097



51.5285, 0.2452, 0.3417



51.5285, 0.3043, 0.2626



51.5285, 0.3833, 0.3119

# Sweetspot

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



51.5307, 0.3149, 0.4097



95.0507, 0.3136, 0.3521



53.4567, 0.3582, 0.3900



20.1845, 0.3137, 0.3560



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

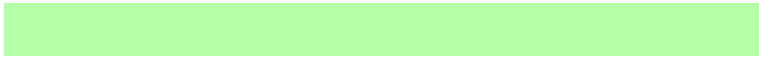


# Same Dimension

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



51.5307, 0.3149, 0.4097



84.1001, 0.3150, 0.4290



51.4573, 0.2954, 0.3815



12.6103, 0.3136, 0.3528



27.3635, 0.3041, 0.5968



1.4365, 0.3144, 0.5885



# Inverse Universe

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



36.1526, 0.3083, 0.2569



54.3873, 0.3071, 0.2418



36.3472, 0.3354, 0.2818



11.3218, 0.3116, 0.3060



8.5632, 0.2864, 0.1351

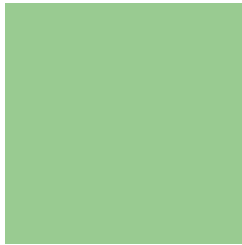


0.4640, 0.2936, 0.1391



# Previews

## White Background



This preview shows how the Yxy color 51.5285, 0.3149, 0.4097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

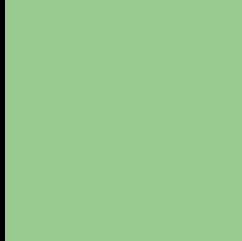
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.5285, 0.3149, 0.4097 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 51.5285, 0.3149, 0.4097**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.5285, 0.3149, 0.4097.



This preview shows how white text looks on a background with the Yxy color 51.5285, 0.3149, 0.4097.

# 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

51.5285, 0.3149, 0.4097

### Protanopia

50.9558, 0.3647, 0.3914

### Deuteranopia

50.9980, 0.3752, 0.3682



## Tritanopia

51.5759, 0.2790, 0.3097

# Trichromacy



**Original Color**

51.5285, 0.3149, 0.4097

**Protanomaly**

50.8209, 0.3456, 0.3982

**Deuteranomaly**

50.7008, 0.3509, 0.3824

**Tritanomaly**

51.4069, 0.2922, 0.3449

# Monochromacy



**Original Color**

51.5285, 0.3149, 0.4097

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.8803, 0.3139, 0.3573

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.5285, 0.3149, 0.4097 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(153, 203, 145)` looks like.

```
.text, #text, p{  
    color:rgb(153, 203, 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(153, 203, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 203, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 51.5285, 0.3149, 0.4097 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(153, 203, 145) }
```

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

```
.border{ border-color:rgb(153, 203, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 203, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 203, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 203, 145);  
box-shadow:4px 4px 4px 4px rgb(153, 203,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.5285, 0.3149, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 203, 145) }
```

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

```
.background{ background-color: rgb(153,  
203, 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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