

# Converting Colors

Yxy(65.6696, 0.3029, 0.4164)

Have a look what the booklet for  
Yxy(65.6696, 0.3029, 0.4164)  
contains.

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# Color

**Yxy(65.4196, 0.3029, 0.4156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99E5A2
RGB	153, 229, 162
RGB Percent	60%, 90%, 64%
CMY	0.4000, 0.1019, 0.3646
CMYK	0.33, 0.00, 0.29, 0.10
HSL	127°, 59%, 75%
HSV	127°, 33%, 90%
XYZ	47.6795, 65.4196, 44.3109
YIQ	198.6380, -23.7890, -36.9490

# Conversions

## Conversions Part 2

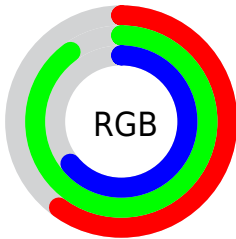
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 221, 229
Decimal	10085794
CIELab	84.70, -36.77, 25.41
CIELCh	85, 44.691, 145.351
Yxy	65.4196, 0.3029, 0.4156
Android (android.graphics.Color)	4288275874 (0xFF99E5A2)
YUV	198.6380, -18.0625, -40.0245
Hunter-Lab	80.8824, -36.3199, 24.1360

# Details

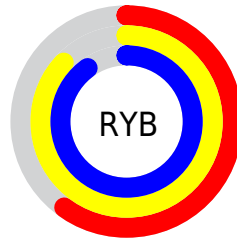
The Yxy color **65.4196, 0.3029, 0.4156** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.6060, 0.3244, 0.2556**, and the grayscale version is **57.0063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0851, 0.3059, 0.3696**, and **33.6656, 0.2990, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **62.7426, 0.3002, 0.4473**, and if you desaturate by 10%, it is **68.6448, 0.3058, 0.3862**.

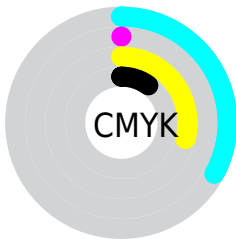
# Distribution



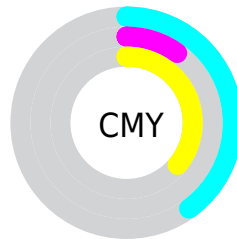
- Red (60%)
- Green (90%)
- Blue (64%)



- Red (60%)
- Yellow (87%)
- Blue (90%)



- Cyan (33%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)




- Cyan (40%)
- Magenta (10%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4196, 0.3029, 0.4156 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 65.4196, 0.3029, 0.4156 by changing the saturation by 10% instead.




 65.4196, 0.3029,  
0.4156

 65.4196, 0.3029,  
0.4156


444.2983, 0.3087,  
0.3726

 47.8014, 0.3012,  
0.4262


 112.6529, 0.3052,  
0.4001

 33.6696, 0.2989,  
0.4397


 143.0368, 0.3060,  
0.3942

 22.6399, 0.2956,  
0.4574


178.4447, 0.3067,  
0.3892

 14.3279, 0.2907,  
0.4817

219.2610, 0.3072,  
0.3850

 8.3490, 0.2826,  
0.5167

265.8701, 0.3077,  
0.3813

 4.3191, 0.2679,  
0.5708

318.6565, 0.3081,

 1.8536, 0.2594,

0.3780

378.0044, 0.3084,  
0.3751

0.7406

0.5203, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.4196, 0.3029,  
0.4156

65.4196, 0.3029,  
0.4156

62.7426, 0.3002,  
0.4473

68.6448, 0.3058,  
0.3862

60.5756, 0.2980,  
0.4800

72.4377, 0.3088,  
0.3595

58.8884, 0.2964,  
0.5122

76.8269, 0.3118,  
0.3359

57.6441, 0.2957,  
0.5416

81.8366, 0.3146,  
0.3152

■ 56.8005, 0.2959,  
0.5662

■ 84.5204, 0.3139,  
0.3039

■ 56.3069, 0.2970,  
0.5842

■ 56.1206, 0.2979,  
0.5924

# Harmonies

## Analogous

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



65.4196, 0.3575, 0.4306



65.4196, 0.3029, 0.4156



65.4196, 0.2535, 0.3691

# Triad

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



65.4196, 0.3029, 0.4156



65.4196, 0.2268, 0.2447



65.4196, 0.4126, 0.3324

# Complementary

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



65.4196, 0.3029, 0.4156



44.6060, 0.3244, 0.2556

# 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.



65.4196, 0.3712, 0.2913



65.4196, 0.3029, 0.4156



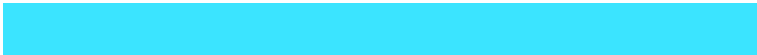
65.4196, 0.2625, 0.2427

# Square

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



65.4196, 0.3029, 0.4156



65.4196, 0.2126, 0.2681



65.4196, 0.3148, 0.2595



65.4196, 0.4237, 0.3759



# Rectangle

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



65.4196, 0.3029, 0.4156



65.4196, 0.2299, 0.3310



65.4196, 0.3148, 0.2595



65.4196, 0.4016, 0.3181

# Sweetspot

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



65.4223, 0.3029, 0.4156



94.1168, 0.3098, 0.3518



73.5772, 0.3560, 0.4136



19.9814, 0.3094, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

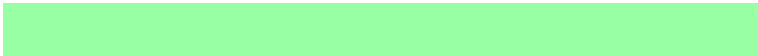


# Same Dimension

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



65.4223, 0.3029, 0.4156



81.0135, 0.3010, 0.4377



66.9765, 0.2813, 0.3654



16.1169, 0.3100, 0.3503



32.0951, 0.2975, 0.5909



2.3809, 0.2920, 0.5713



# Inverse Universe

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



44.6060, 0.3244, 0.2556



50.5060, 0.3274, 0.2404



42.8233, 0.3602, 0.2957



14.5842, 0.3156, 0.3085



11.9682, 0.3533, 0.1720

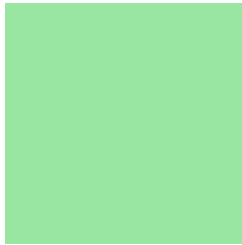


0.8928, 0.3479, 0.1690



# Previews

## White Background



This preview shows how the Yxy color 65.4196, 0.3029, 0.4156 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 65.4196, 0.3029, 0.4156 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 65.4196, 0.3029, 0.4156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.4196, 0.3029, 0.4156.

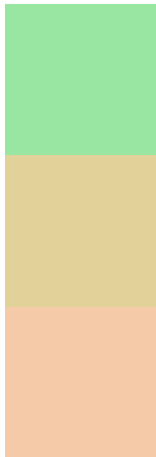


This preview shows how white text looks on a background with the Yxy color 65.4196, 0.3029, 0.4156.

# 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

65.4196, 0.3029, 0.4156

### Protanopia

64.5950, 0.3658, 0.3922

### Deuteranopia

64.4807, 0.3734, 0.3656



## Tritanopia

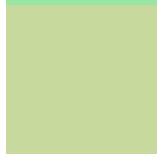
64.9930, 0.2677, 0.3077

# Trichromacy



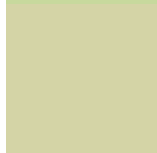
## Original Color

65.4196, 0.3029, 0.4156



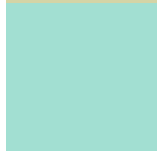
## Protanomaly

64.2021, 0.3402, 0.4011



## Deuteranomaly

63.8372, 0.3452, 0.3828



## Tritanomaly

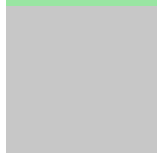
65.1099, 0.2803, 0.3449

# Monochromacy



## Original Color

65.4196, 0.3029, 0.4156



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

59.5834, 0.3084, 0.3588

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4196, 0.3029, 0.4156 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, 229, 162)` looks like.

```
.text, #text, p{  
    color:rgb(153, 229, 162)  
}
```

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, 229, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 229, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4196, 0.3029, 0.4156 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, 229, 162) }
```

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

```
.border{ border-color:rgb(153, 229, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 229, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 229, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 229, 162);  
box-shadow:4px 4px 4px 4px rgb(153, 229,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4196, 0.3029, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 229, 162) }
```

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

```
.background{ background-color: rgb(153,  
229, 162) }
```

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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