

# Converting Colors

Yxy(64.4316, 0.3332, 0.5181)

Have a look what the booklet for  
Yxy(64.4316, 0.3332, 0.5181)  
contains.

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# Color

**Yxy(64.3913, 0.3330, 0.5186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BE953
RGB	139, 233, 83
RGB Percent	55%, 91%, 33%
CMY	0.4549, 0.0863, 0.6746
CMYK	0.40, 0.00, 0.64, 0.09
HSL	98°, 77%, 62%
HSV	98°, 64%, 91%
XYZ	41.3465, 64.3913, 18.4259
YIQ	187.7940, -7.8740, -66.5780

# Conversions

## Conversions Part 2

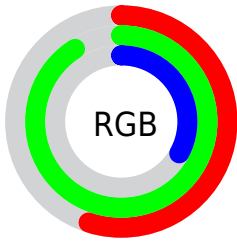
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 233, 177
Decimal	9169235
CIELab	84.17, -52.91, 62.08
CIELCh	84, 81.569, 130.441
Yxy	64.3913, 0.3330, 0.5186
Android (android.graphics.Color)	4287359315 (0xFF8BE953)
YUV	187.7940, -51.6634, -42.7923
Hunter-Lab	80.2442, -48.4537, 42.5566

# Details

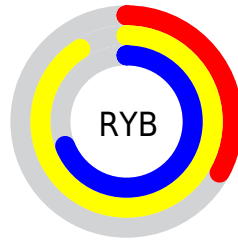
The Yxy color **64.3913, 0.3330, 0.5186** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.4094, 0.2629, 0.1567**, and the grayscale version is **50.4679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3607, 0.3418, 0.4585**, and **33.2003, 0.3279, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **62.9188, 0.3315, 0.5443**, and if you desaturate by 10%, it is **66.1580, 0.3327, 0.4891**.

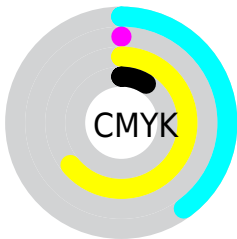
# Distribution



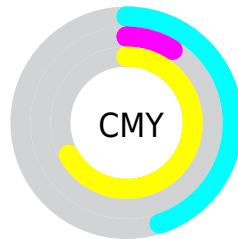
- Red (55%)
- Green (91%)
- Blue (33%)



- Red (33%)
- Yellow (91%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (64%)
- Black (9%)




- Cyan (45%)
- Magenta (9%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3913, 0.3330, 0.5186 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 64.3913, 0.3330, 0.5186 by changing the saturation by 10% instead.





 64.3913, 0.3330,  
0.5186

 64.3913, 0.3330,  
0.5186


440.6013, 0.3299,  
0.4241


 46.9677, 0.3314,  
0.5409


 111.1743, 0.3336,  
0.4850

 33.0101, 0.3281,  
0.5684


 141.3024, 0.3333,  
0.4721

 22.1342, 0.3217,  
0.6026


 176.4342, 0.3329,  
0.4611

 13.9555, 0.3093,  
0.6452

 216.9540, 0.3323,  
0.4516

 8.0897, 0.2906,  
0.7094

263.2462, 0.3318,  
0.4434

 4.1524, 0.2414,  
0.7586

315.6952, 0.3311,

 1.7592, 0.1017,

0.4361

0.8983

374.6855, 0.3305,  
0.4298

0.4615, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.3913, 0.3330,  
0.5186

64.3913, 0.3330,  
0.5186

62.9188, 0.3315,  
0.5443

66.1580, 0.3327,  
0.4891

61.7130, 0.3282,  
0.5646


68.2278, 0.3309,  
0.4576


60.7541, 0.3233,  
0.5785


70.6191, 0.3278,  
0.4259


60.3081, 0.3202,  
0.5839

73.3463, 0.3239,  
0.3951

 76.4228, 0.3195,  
0.3663

 79.8615, 0.3148,  
0.3398

 83.6741, 0.3101,  
0.3159

 86.7611, 0.3137,  
0.3078

# Harmonies

## Analogous

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



64.3913, 0.4231, 0.4942



64.3913, 0.3330, 0.5186



64.3913, 0.2424, 0.4592

# Triad

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



64.3913, 0.3330, 0.5186



64.3913, 0.1542, 0.1974



64.3913, 0.4638, 0.2926

# Complementary

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



64.3913, 0.3330, 0.5186



21.4094, 0.2629, 0.1567

# 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.



64.3913, 0.3660, 0.2356



64.3913, 0.3330, 0.5186



64.3913, 0.1922, 0.1828

# Square

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



64.3913, 0.3330, 0.5186



64.3913, 0.1483, 0.2485



64.3913, 0.2647, 0.1968



64.3913, 0.5106, 0.3590



# Rectangle

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



64.3913, 0.3330, 0.5186



64.3913, 0.1945, 0.3835



64.3913, 0.2647, 0.1968



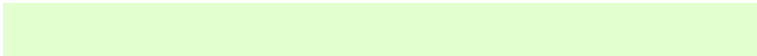
64.3913, 0.4347, 0.2722

# Sweetspot

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



64.3941, 0.3330, 0.5186



91.9533, 0.3216, 0.3796



48.8003, 0.4425, 0.4269



19.4526, 0.3229, 0.3880



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.



64.3941, 0.3330, 0.5186



76.7358, 0.3307, 0.5510



61.0480, 0.2964, 0.5165



17.1361, 0.3172, 0.3530



34.2831, 0.3213, 0.5831



2.7453, 0.3321, 0.5745



# Inverse Universe

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



21.4094, 0.2629, 0.1567



20.2175, 0.2496, 0.1300



28.4385, 0.3381, 0.1961



15.0165, 0.3078, 0.3054



6.8781, 0.2292, 0.1036

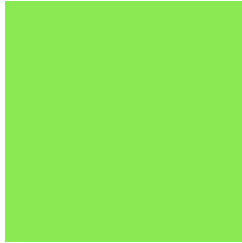


0.5946, 0.2419, 0.1106



# Previews

## White Background



This preview shows how the Yxy color 64.3913, 0.3330, 0.5186 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 64.3913, 0.3330, 0.5186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

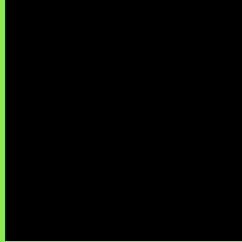
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.3913, 0.3330, 0.5186**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.3913, 0.3330, 0.5186.



This preview shows how white text looks on a background with the Yxy color 64.3913, 0.3330, 0.5186.

# 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

64.3913, 0.3330, 0.5186

### Protanopia

63.4464, 0.4206, 0.4624

### Deuteranopia

63.1896, 0.4276, 0.4197



## Tritanopia

63.9855, 0.2658, 0.3075

# Trichromacy



## Original Color

64.3913, 0.3330, 0.5186



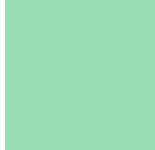
## Protanomaly

62.8494, 0.3856, 0.4843



## Deuteranomaly

61.6355, 0.3910, 0.4548



## Tritanomaly

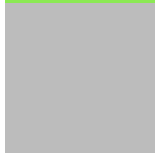
62.9407, 0.2929, 0.3845

# Monochromacy



## Original Color

64.3913, 0.3330, 0.5186



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

53.9338, 0.3246, 0.4008

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.3913, 0.3330, 0.5186 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(139, 233, 83)` looks like.

```
.text, #text, p{  
    color:rgb(139, 233, 83)  
}
```

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(139, 233, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 233, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 64.3913, 0.3330, 0.5186 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(139, 233, 83) }
```

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

```
.border{ border-color:rgb(139, 233, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 233, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 233, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 233, 83);  
box-shadow:4px 4px 4px 4px rgb(139, 233,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.3913, 0.3330, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 233, 83) }
```

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

```
.background{ background-color: rgb(139,  
233, 83) }
```

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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