

# Converting Colors

Yxy(64.5668, 0.3343, 0.5178)

Have a look what the booklet for  
Yxy(64.5668, 0.3343, 0.5178)  
contains.

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# Color

**Yxy(64.5651, 0.3343, 0.5178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DE953
RGB	141, 233, 83
RGB Percent	55%, 91%, 33%
CMY	0.4470, 0.0863, 0.6746
CMYK	0.39, 0.00, 0.64, 0.09
HSL	97°, 77%, 62%
HSV	97°, 64%, 91%
XYZ	41.6843, 64.5651, 18.4418
YIQ	188.3920, -6.6820, -66.1540

# Conversions

## Conversions Part 2

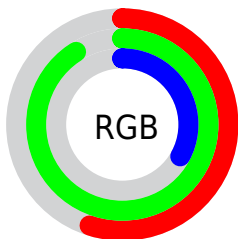
Format	Color
<a href="#">RYB</a>	<a href="#">83, 233, 175</a>
Decimal	<a href="#">9300307</a>
CIELab	<a href="#">84.26, -52.27, 62.20</a>
CIElCh	<a href="#">84, 81.249, 130.040</a>
Yxy	<a href="#">64.5651, 0.3343, 0.5178</a>
Android (android.graphics.Color)	<a href="#">4287490387 (0xFF8DE953)</a>
YUV	<a href="#">188.3920, -51.9583, -41.5628</a>
Hunter-Lab	<a href="#">80.3524, -48.0166, 42.6389</a>

# Details

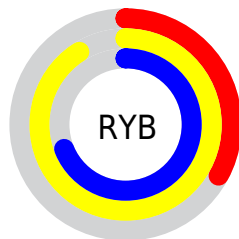
The Yxy color **64.5651, 0.3343, 0.5178** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.1758, 0.2609, 0.1558**, and the grayscale version is **50.8286, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6343, 0.3432, 0.4580**, and **33.2886, 0.3294, 0.5672** is the 20% darker color. If you saturate the color by 10%, you get **63.0938, 0.3329, 0.5433**, and if you desaturate by 10%, it is **66.3244, 0.3339, 0.4885**.

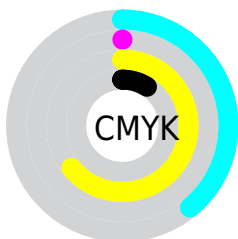
# Distribution



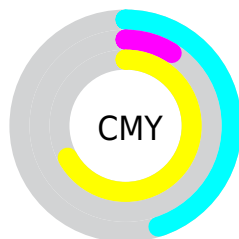
- Red (55%)
- Green (91%)
- Blue (33%)



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



- Cyan (39%)
- Magenta (0%)
- Yellow (64%)
- Black (9%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5651, 0.3343, 0.5178 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 64.5651, 0.3343, 0.5178 by changing the saturation by 10% instead.





 64.5651, 0.3343,  
0.5178


 64.5651, 0.3343,  
0.5178


441.2275, 0.3306,  
0.4238

 47.1085, 0.3329,  
0.5399


 111.4244, 0.3347,  
0.4844

 33.1215, 0.3298,  
0.5672


 141.5959, 0.3343,  
0.4716

 22.2195, 0.3236,  
0.6011


 176.7744, 0.3338,  
0.4607

 14.0183, 0.3115,  
0.6432

 217.3445, 0.3332,  
0.4512

 8.1334, 0.2933,  
0.7067

263.6904, 0.3325,  
0.4430

 4.1804, 0.2449,  
0.7551

316.1966, 0.3319,

 1.7750, 0.1122,

0.4358

0.8878

375.2475, 0.3312,  
0.4295

0.4715, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.5651, 0.3343,  
0.5178

64.5651, 0.3343,  
0.5178

63.0938, 0.3329,  
0.5433

66.3244, 0.3339,  
0.4885

61.8833, 0.3296,  
0.5635


68.3802, 0.3318,  
0.4572


60.9145, 0.3247,  
0.5773


70.7504, 0.3286,  
0.4256


60.4608, 0.3217,  
0.5828

73.4490, 0.3244,  
0.3950

 76.4892, 0.3198,  
0.3663

 79.8833, 0.3149,  
0.3398

 83.6430, 0.3100,  
0.3159

 86.7607, 0.3137,  
0.3078

# Harmonies

## Analogous

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



64.5651, 0.4239, 0.4929



64.5651, 0.3343, 0.5178



64.5651, 0.2439, 0.4598

# Triad

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



64.5651, 0.3343, 0.5178



64.5651, 0.1545, 0.1983



64.5651, 0.4620, 0.2920

# Complementary

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



64.5651, 0.3343, 0.5178



21.1758, 0.2609, 0.1558

# 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.



64.5651, 0.3644, 0.2353



64.5651, 0.3343, 0.5178



64.5651, 0.1919, 0.1833

# Square

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



64.5651, 0.3343, 0.5178



64.5651, 0.1490, 0.2499



64.5651, 0.2637, 0.1970



64.5651, 0.5095, 0.3581



# Rectangle

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



64.5651, 0.3343, 0.5178



64.5651, 0.1958, 0.3848



64.5651, 0.2637, 0.1970



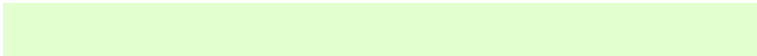
64.5651, 0.4329, 0.2716

# Sweetspot

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



64.5679, 0.3343, 0.5178



92.0574, 0.3220, 0.3795



47.8322, 0.4446, 0.4244



19.4775, 0.3233, 0.3879



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.



64.5679, 0.3343, 0.5178



76.9499, 0.3321, 0.5500



60.9996, 0.2974, 0.5196



17.1462, 0.3174, 0.3529



34.3714, 0.3227, 0.5819



2.7530, 0.3336, 0.5734



# Inverse Universe

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



21.1758, 0.2609, 0.1558



19.9017, 0.2472, 0.1288



28.5684, 0.3354, 0.1941



15.0061, 0.3076, 0.3053



6.7189, 0.2262, 0.1020



0.5828, 0.2392, 0.1091



# Previews

## White Background



This preview shows how the Yxy color 64.5651, 0.3343, 0.5178 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 64.5651, 0.3343, 0.5178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

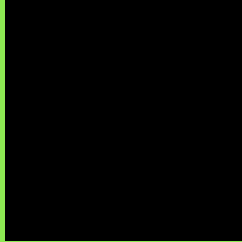
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.5651, 0.3343, 0.5178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5651, 0.3343, 0.5178.

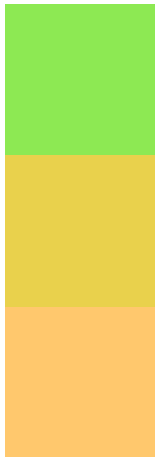


This preview shows how white text looks on a background with the Yxy color 64.5651, 0.3343, 0.5178.

# 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

64.5651, 0.3343, 0.5178

### Protanopia

63.4464, 0.4206, 0.4624

### Deuteranopia

63.6727, 0.4263, 0.4198



## Tritanopia

64.1983, 0.2670, 0.3076

# Trichromacy



## Original Color

64.5651, 0.3343, 0.5178



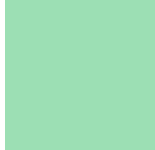
## Protanomaly

62.9867, 0.3864, 0.4838



## Deuteranomaly

62.3032, 0.3907, 0.4543



## Tritanomaly

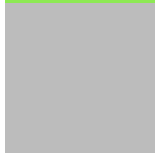
63.1386, 0.2942, 0.3843

# Monochromacy



## Original Color

64.5651, 0.3343, 0.5178



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

54.0457, 0.3253, 0.4006

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5651, 0.3343, 0.5178 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(141, 233, 83)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 233, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 233, 83) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5651, 0.3343, 0.5178 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(141, 233, 83) }
```

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

```
.border{ border-color:rgb(141, 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(141, 233, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 233, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 233, 83);  
box-shadow:4px 4px 4px 4px rgb(141, 233,  
83) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5651, 0.3343, 0.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 233, 83) }
```

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

```
.background{ background-color: rgb(141,  
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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