

# Converting Colors

$Yxy(64.2057, 0.3321, 0.5203)$

Have a look what the booklet for  
Yxy(64.2057, 0.3321, 0.5203)  
contains.

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**Color**

**Yxy(64.2054, 0.3321, 0.5203)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89E952
RGB	137, 233, 82
RGB Percent	54%, 91%, 32%
CMY	0.4626, 0.0863, 0.6784
CMYK	0.41, 0.00, 0.65, 0.09
HSL	98°, 77%, 62%
HSV	98°, 65%, 91%
XYZ	40.9814, 64.2054, 18.2139
YIQ	187.0820, -8.7450, -67.3130

# Conversions

## Conversions Part 2

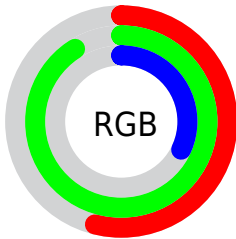
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 233, 178
Decimal	9038162
CIELab	84.07, -53.61, 62.34
CIELCh	84, 82.223, 130.696
Yxy	64.2054, 0.3321, 0.5203
Android (android.graphics.Color)	4287228242 (0xFF89E952)
YUV	187.0820, -51.8054, -43.9219
Hunter-Lab	80.1283, -48.9311, 42.6126

# Details

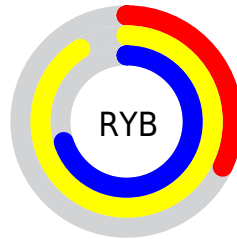
The Yxy color **64.2054, 0.3321, 0.5203** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **21.3789, 0.2638, 0.1563**, and the grayscale version is **50.0489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0619, 0.3410, 0.4601**, and **33.1077, 0.3269, 0.5704** is the 20% darker color. If you saturate the color by 10%, you get **62.7445, 0.3304, 0.5459**, and if you desaturate by 10%, it is **65.9640, 0.3320, 0.4908**.

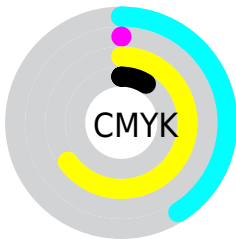
# Distribution



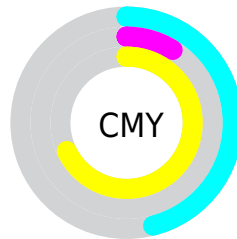
- Red (54%)
- Green (91%)
- Blue (32%)



- Red (32%)
- Yellow (91%)
- Blue (70%)



- Cyan (41%)
- Magenta (0%)
- Yellow (65%)
- Black (9%)




- Cyan (46%)
- Magenta (9%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2054, 0.3321, 0.5203 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 64.2054, 0.3321, 0.5203 by changing the saturation by 10% instead.




 64.2054, 0.3321,  
0.5203


 64.2054, 0.3321,  
0.5203


439.9310, 0.3296,  
0.4248


 46.8171, 0.3304,  
0.5429


 110.9067, 0.3329,  
0.4863


 32.8911, 0.3269,  
0.5706


 140.9884, 0.3327,  
0.4733

 22.0430, 0.3201,  
0.6052


 176.0701, 0.3323,  
0.4622

 13.8885, 0.3072,  
0.6483

 216.5361, 0.3318,  
0.4526

 8.0432, 0.2875,  
0.7125

262.7707, 0.3313,  
0.4443

 4.1226, 0.2376,  
0.7624

315.1585, 0.3307,

 1.7424, 0.0898,

0.4370

0.9102

374.0838, 0.3301,  
0.4305

■ 0.4509, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.2054, 0.3321,  
0.5203

■ 64.2054, 0.3321,  
0.5203

■ 62.7445, 0.3304,  
0.5459

■ 65.9640, 0.3320,  
0.4908

■ 61.5533, 0.3270,  
0.5660


■ 68.0295, 0.3303,  
0.4592


■ 60.6115, 0.3221,  
0.5796


■ 70.4207, 0.3274,  
0.4273

■ 60.2056, 0.3193,  
0.5847

■ 73.1523, 0.3237,  
0.3965

 76.2380, 0.3195,  
0.3675

 79.6909, 0.3149,  
0.3409

 83.5231, 0.3103,  
0.3169

 86.7584, 0.3137,  
0.3078

# Harmonies

## Analogous

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



64.2054, 0.4230, 0.4958



64.2054, 0.3321, 0.5203



64.2054, 0.2410, 0.4597

# Triad

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



64.2054, 0.3321, 0.5203



64.2054, 0.1533, 0.1961



64.2054, 0.4658, 0.2928

# Complementary

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



64.2054, 0.3321, 0.5203



21.3789, 0.2638, 0.1563

# 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.



64.2054, 0.3674, 0.2353



64.2054, 0.3321, 0.5203



64.2054, 0.1918, 0.1818

# Square

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



64.2054, 0.3321, 0.5203



64.2054, 0.1470, 0.2471



64.2054, 0.2650, 0.1962



64.2054, 0.5123, 0.3595



# Rectangle

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



64.2054, 0.3321, 0.5203



64.2054, 0.1930, 0.3829



64.2054, 0.2650, 0.1962



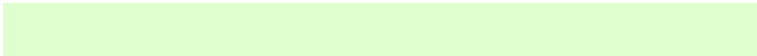
64.2054, 0.4366, 0.2722

# Sweetspot

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



64.2082, 0.3321, 0.5203



91.8833, 0.3213, 0.3796



49.6278, 0.4414, 0.4298



19.4358, 0.3225, 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.



64.2082, 0.3321, 0.5203



76.4411, 0.3294, 0.5538



61.0340, 0.2953, 0.5146



17.1293, 0.3171, 0.3530



34.2256, 0.3204, 0.5838



2.7403, 0.3311, 0.5753



# Inverse Universe

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



21.3789, 0.2638, 0.1563



20.0661, 0.2502, 0.1291



28.1552, 0.3411, 0.1976



15.0235, 0.3080, 0.3054



6.9879, 0.2313, 0.1048

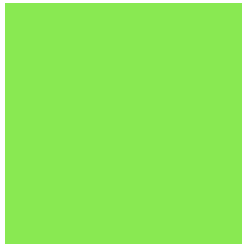


0.6028, 0.2437, 0.1116



# Previews

## White Background



This preview shows how the Yxy color 64.2054, 0.3321, 0.5203 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 64.2054, 0.3321, 0.5203 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 64.2054, 0.3321, 0.5203**

## Background



This preview shows how black text looks on a background with the Yxy color 64.2054, 0.3321, 0.5203.

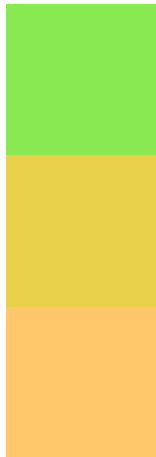


This preview shows how white text looks on a background with the Yxy color 64.2054, 0.3321, 0.5203.

# 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

64.2054, 0.3321, 0.5203

### Protanopia

63.4326, 0.4211, 0.4631

### Deuteranopia

63.1475, 0.4289, 0.4214



## Tritanopia

63.8223, 0.2658, 0.3086

# Trichromacy



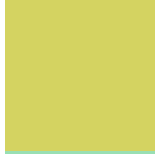
## Original Color

64.2054, 0.3321, 0.5203



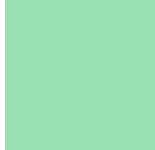
## Protanomaly

62.6986, 0.3852, 0.4856



## Deuteranomaly

61.4486, 0.3912, 0.4570



## Tritanomaly

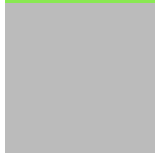
62.8023, 0.2929, 0.3859

# Monochromacy



## Original Color

64.2054, 0.3321, 0.5203



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

53.7907, 0.3245, 0.4023

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.2054, 0.3321, 0.5203 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(137, 233, 82)` looks like.

```
.text, #text, p{  
    color:rgb(137, 233, 82)  
}
```

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(137, 233, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 233, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 64.2054, 0.3321, 0.5203 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(137, 233, 82) }
```

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

```
.border{ border-color:rgb(137, 233, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 233, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 233, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 233, 82);  
box-shadow:4px 4px 4px 4px rgb(137, 233,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.2054, 0.3321, 0.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 233, 82) }
```

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

```
.background{ background-color: rgb(137,  
233, 82) }
```

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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