

# Converting Colors

$Yxy(67.1060, 0.3338, 0.4960)$

Have a look what the booklet for  
Yxy(67.1060, 0.3338, 0.4960)  
contains.

<b>Yxy(67.1483, 0.3338, 0.4954)</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(67.1483, 0.3338, 0.4954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99EB66
RGB	153, 235, 102
RGB Percent	60%, 92%, 40%
CMY	0.4000, 0.0784, 0.5999
CMYK	0.35, 0.00, 0.57, 0.08
HSL	97°, 77%, 66%
HSV	97°, 57%, 92%
XYZ	45.2445, 67.1483, 23.1508
YIQ	195.3200, -6.1790, -58.7470

# Conversions

## Conversions Part 2

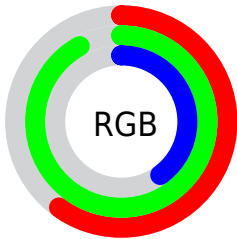
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 235, 184
Decimal	10087270
CIELab	85.58, -47.44, 55.76
CIELCh	86, 73.212, 130.387
Yxy	67.1483, 0.3338, 0.4954
Android (android.graphics.Color)	4288277350 (0xFF99EB66)
YUV	195.3200, -46.0068, -37.1146
Hunter-Lab	81.9441, -44.8454, 40.6102

# Details

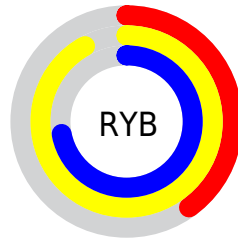
The Yxy color **67.1483, 0.3338, 0.4954** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **25.6980, 0.2694, 0.1752**, and the grayscale version is **55.0595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8032, 0.3406, 0.4352**, and **34.9322, 0.3317, 0.5400** is the 20% darker color. If you saturate the color by 10%, you get **65.4235, 0.3338, 0.5241**, and if you desaturate by 10%, it is **69.1823, 0.3321, 0.4643**.

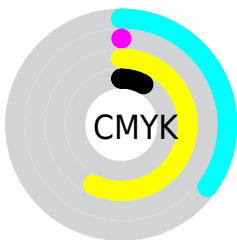
# Distribution



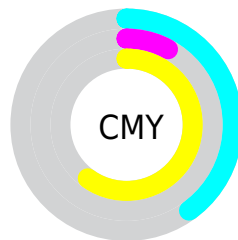
- Red (60%)
- Green (92%)
- Blue (40%)



- Red (40%)
- Yellow (92%)
- Blue (72%)



- Cyan (35%)
- Magenta (0%)
- Yellow (57%)
- Black (8%)




- Cyan (40%)
- Magenta (8%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1483, 0.3338, 0.4954 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 67.1483, 0.3338, 0.4954 by changing the saturation by 10% instead.




 67.1483, 0.3338,  
0.4954


 67.1483, 0.3338,  
0.4954


450.4725, 0.3287,  
0.4130


 49.2052, 0.3333,  
0.5149


 115.1329, 0.3333,  
0.4661


 34.7822, 0.3318,  
0.5392


 145.9431, 0.3327,  
0.4549

 23.4952, 0.3281,  
0.5697


 181.8112, 0.3320,  
0.4453

 14.9596, 0.3205,  
0.6086

 223.1214, 0.3313,  
0.4370

 8.7910, 0.3070,  
0.6636

270.2583, 0.3306,  
0.4299

 4.6051, 0.2742,  
0.7258

323.6061, 0.3300,

 2.0175, 0.1926,

0.4236

0.8074

383.5494, 0.3293,  
0.4180

0.6176, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.1483, 0.3338,  
0.4954

67.1483, 0.3338,  
0.4954

65.4235, 0.3338,  
0.5241

69.1823, 0.3321,  
0.4643

63.9816, 0.3320,  
0.5486


71.5327, 0.3292,  
0.4326

62.8055, 0.3283,  
0.5674

74.2172, 0.3253,  
0.4017

61.8715, 0.3231,  
0.5798

77.2494, 0.3207,  
0.3724

 61.5973, 0.3213,  
0.5831

 80.6421, 0.3159,  
0.3454

 84.4076, 0.3110,  
0.3209

 87.7928, 0.3132,  
0.3097

 87.8990, 0.3136,  
0.3097

# Harmonies

## Analogous

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



67.1483, 0.4150, 0.4786



67.1483, 0.3338, 0.4954



67.1483, 0.2515, 0.4424

# Triad

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



67.1483, 0.3338, 0.4954



67.1483, 0.1684, 0.2106



67.1483, 0.4465, 0.2975

# Complementary

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



67.1483, 0.3338, 0.4954



25.6980, 0.2694, 0.1752

# 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.



67.1483, 0.3605, 0.2446



67.1483, 0.3338, 0.4954



67.1483, 0.2038, 0.1961

# Square

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



67.1483, 0.3338, 0.4954



67.1483, 0.1634, 0.2586



67.1483, 0.2702, 0.2088



67.1483, 0.4892, 0.3592



# Rectangle

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



67.1483, 0.3338, 0.4954



67.1483, 0.2074, 0.3778



67.1483, 0.2702, 0.2088



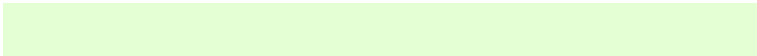
67.1483, 0.4209, 0.2785

# Sweetspot

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



67.1512, 0.3338, 0.4954



92.7939, 0.3210, 0.3738



52.0008, 0.4263, 0.4155



19.6976, 0.3219, 0.3796



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.



67.1512, 0.3338, 0.4954



78.4262, 0.3336, 0.5286



63.4900, 0.2984, 0.4947



17.1436, 0.3173, 0.3529



34.3483, 0.3224, 0.5822



2.7510, 0.3332, 0.5737



# Inverse Universe

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



25.6980, 0.2694, 0.1752



23.9524, 0.2573, 0.1471



32.4277, 0.3322, 0.2065



15.0087, 0.3077, 0.3053



6.7594, 0.2270, 0.1024

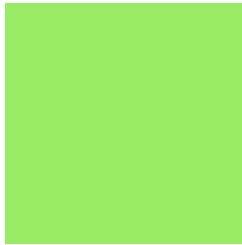


0.5858, 0.2399, 0.1095



# Previews

## White Background



This preview shows how the Yxy color 67.1483, 0.3338, 0.4954 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 67.1483, 0.3338, 0.4954 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 67.1483, 0.3338, 0.4954**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1483, 0.3338, 0.4954.



This preview shows how white text looks on a background with the Yxy color 67.1483, 0.3338, 0.4954.

# 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

67.1483, 0.3338, 0.4954

### Protanopia

66.2476, 0.4109, 0.4503

### Deuteranopia

66.0844, 0.4088, 0.4037



## Tritanopia

66.8846, 0.2715, 0.3092

# Trichromacy



## Original Color

67.1483, 0.3338, 0.4954



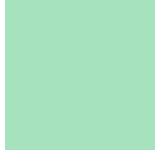
## Protanomaly

65.7166, 0.3805, 0.4672



## Deuteranomaly

64.8624, 0.3805, 0.4360



## Tritanomaly

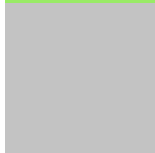
66.1738, 0.2953, 0.3750

# Monochromacy



## Original Color

67.1483, 0.3338, 0.4954



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

58.3697, 0.3239, 0.3915

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1483, 0.3338, 0.4954 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, 235, 102)` looks like.

```
.text, #text, p{  
    color:rgb(153, 235, 102)  
}
```

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, 235, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 235, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1483, 0.3338, 0.4954 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, 235, 102) }
```

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

```
.border{ border-color:rgb(153, 235, 102) }
```

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

Here you see how a box with a 4 pixel rgb(153, 235, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 235, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 235, 102);  
box-shadow:4px 4px 4px 4px rgb(153, 235,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1483, 0.3338, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 235, 102) }
```

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

```
.background{ background-color: rgb(153,  
235, 102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor