

# Converting Colors

Yxy(75.3358, 0.3330, 0.5326)

Have a look what the booklet for  
Yxy(75.3358, 0.3330, 0.5326)  
contains.

<b>Yxy(75.3698, 0.3330, 0.5322)</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(75.3698, 0.3330, 0.5322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FFB4D
RGB	143, 251, 77
RGB Percent	56%, 98%, 30%
CMY	0.4394, 0.0156, 0.6979
CMYK	0.43, 0.00, 0.69, 0.02
HSL	97°, 96%, 64%
HSV	97°, 69%, 98%
XYZ	47.1592, 75.3698, 19.0903
YIQ	198.8720, -8.5140, -77.0100

# Conversions

## Conversions Part 2

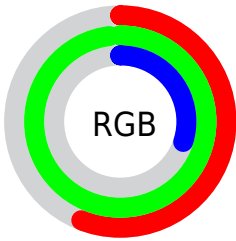
Format	Color
<a href="#">RYB</a>	<a href="#">77, 251, 185</a>
Decimal	<a href="#">9435981</a>
CIELab	<a href="#">89.57, -59.19, 70.07</a>
CIELCh	<a href="#">90, 91.726, 130.189</a>
Yxy	<a href="#">75.3698, 0.3330, 0.5322</a>
Android (android.graphics.Color)	<a href="#">4287626061 (0xFF8FFB4D)</a>
YUV	<a href="#">198.8720, -60.0829, -48.9997</a>
Hunter-Lab	<a href="#">86.8158, -54.9646, 47.7335</a>

# Details

The Yxy color **75.3698, 0.3330, 0.5322** is a light color, and the websafe version is hex **99FF66**. The color can be described as light washed chartreuse. A complement of this color would be **22.6066, 0.2567, 0.1447**, and the grayscale version is **57.4068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9377, 0.3471, 0.4611**, and **40.3329, 0.3259, 0.5794** is the 20% darker color. If you saturate the color by 10%, you get **73.7884, 0.3306, 0.5553**, and if you desaturate by 10%, it is **77.2878, 0.3336, 0.5044**.

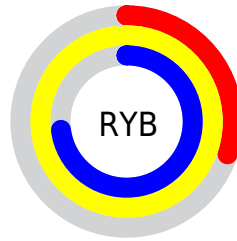
# Distribution



Red (56%)

Green (98%)

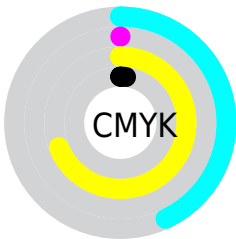
Blue (30%)



Red (30%)

Yellow (98%)

Blue (73%)

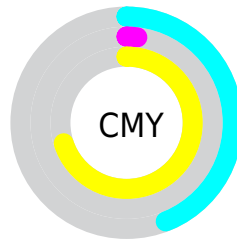


Cyan (43%)

Magenta (0%)

Yellow (69%)

Black (2%)



Cyan (44%)

Magenta (2%)

Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3698, 0.3330, 0.5322 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 75.3698, 0.3330, 0.5322 by changing the saturation by 10% instead.




 75.3698, 0.3330,  
0.5322


 75.3698, 0.3330,  
0.5322

479.1877, 0.3314,  
0.4338

 55.9159, 0.3309,  
0.5545


 126.8357, 0.3343,  
0.4979


 40.1355, 0.3270,  
0.5814

 159.6165, 0.3343,  
0.4846


 27.6442, 0.3198,  
0.6142


 197.6083, 0.3340,  
0.4731

 18.0576, 0.3070,  
0.6538

 241.1957, 0.3336,  
0.4631

 10.9914, 0.2886,  
0.7114

 290.7629, 0.3331,  
0.4544

 6.0610, 0.2448,  
0.7552


346.6943, 0.3325,

 2.8822, 0.1756,


0.4467


0.8244


409.3745, 0.3320,  
0.4399


 1.0706, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.3698, 0.3330,  
0.5322


 75.3698, 0.3330,  
0.5322


 73.7884, 0.3306,  
0.5553


 77.2878, 0.3336,  
0.5044


 72.5093, 0.3264,  
0.5723

 79.5541, 0.3324,  
0.4736


 71.5015, 0.3209,  
0.5831

 82.1915, 0.3298,  
0.4418

 71.4394, 0.3205,  
0.5837

 85.2178, 0.3262,  
0.4104

 88.6494, 0.3219,  
0.3804

 92.5019, 0.3172,  
0.3526

 96.7898, 0.3124,  
0.3273

 97.4813, 0.3129,  
0.3252

# Harmonies

## Analogous

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



75.3698, 0.4280, 0.5021



75.3698, 0.3330, 0.5322



75.3698, 0.2378, 0.4702

# Triad

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



75.3698, 0.3330, 0.5322



75.3698, 0.1462, 0.1902



75.3698, 0.4730, 0.2891

# Complementary

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



75.3698, 0.3330, 0.5322



22.6066, 0.2567, 0.1447

# 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.



75.3698, 0.3681, 0.2300



75.3698, 0.3330, 0.5322



75.3698, 0.1852, 0.1754

# Square

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



75.3698, 0.3330, 0.5322



75.3698, 0.1400, 0.2433



75.3698, 0.2606, 0.1900



75.3698, 0.5226, 0.3578



# Rectangle

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



75.3698, 0.3330, 0.5322



75.3698, 0.1876, 0.3879



75.3698, 0.2606, 0.1900



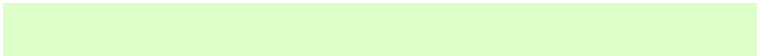
75.3698, 0.4418, 0.2679

# Sweetspot

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



75.3730, 0.3330, 0.5322



91.2465, 0.3227, 0.3854



55.4632, 0.4541, 0.4318



19.3153, 0.3239, 0.3936



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.



75.3730, 0.3330, 0.5322



75.9475, 0.3292, 0.5624



71.4503, 0.2959, 0.5321



19.6296, 0.3173, 0.3531



37.6244, 0.3217, 0.5828



3.5432, 0.3309, 0.5755



# Inverse Universe

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



22.6066, 0.2567, 0.1447



18.0660, 0.2425, 0.1198



31.5785, 0.3405, 0.1892



17.1769, 0.3077, 0.3052



7.4576, 0.2278, 0.1028

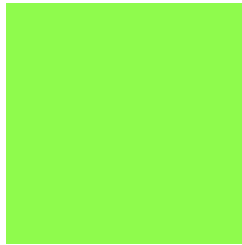


0.7514, 0.2388, 0.1089



# Previews

## White Background



This preview shows how the Yxy color 75.3698, 0.3330, 0.5322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

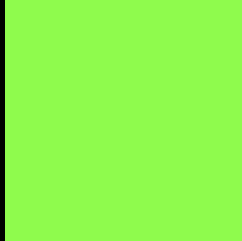
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3698, 0.3330, 0.5322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

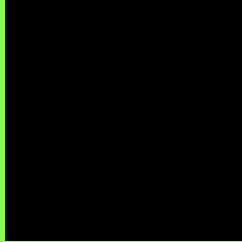
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

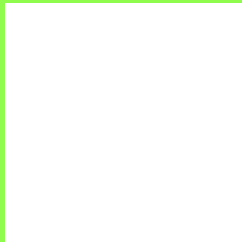
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.3698, 0.3330, 0.5322**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3698, 0.3330, 0.5322.

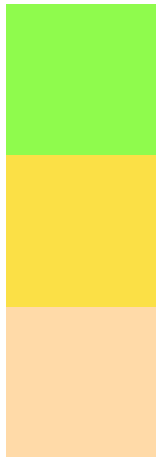


This preview shows how white text looks on a background with the Yxy color 75.3698, 0.3330, 0.5322.

# 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

75.3698, 0.3330, 0.5322

### Protanopia

74.2627, 0.4265, 0.4689

### Deuteranopia

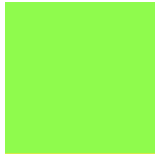
74.2300, 0.3761, 0.3804



## Tritanopia

74.5954, 0.2637, 0.3076

# Trichromacy



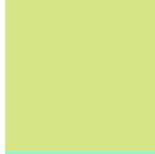
## Original Color

75.3698, 0.3330, 0.5322



## Protanomaly

73.3237, 0.3890, 0.4937



## Deuteranomaly

72.6390, 0.3621, 0.4355



## Tritanomaly

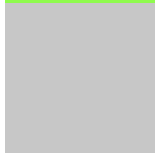
73.5714, 0.2927, 0.3912

# Monochromacy



## Original Color

75.3698, 0.3330, 0.5322



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

62.0931, 0.3261, 0.4084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3698, 0.3330, 0.5322 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(143, 251, 77)` looks like.

```
.text, #text, p{  
    color:rgb(143, 251, 77)  
}
```

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(143, 251, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 251, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3698, 0.3330, 0.5322 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(143, 251, 77) }
```

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

```
.border{ border-color:rgb(143, 251, 77) }
```

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

Here you see how a box with a 4 pixel rgb(143, 251, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 251, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 251, 77);  
box-shadow:4px 4px 4px 4px rgb(143, 251,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3698, 0.3330, 0.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 251, 77) }
```

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

```
.background{ background-color: rgb(143,  
251, 77) }
```

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