

# Converting Colors

Yxy(74.6416, 0.3328, 0.5315)

Have a look what the booklet for  
Yxy(74.6416, 0.3328, 0.5315)  
contains.

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**Color**

**Yxy(74.6721, 0.3324, 0.5313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EFA4E
RGB	142, 250, 78
RGB Percent	56%, 98%, 31%
CMY	0.4431, 0.0196, 0.6941
CMYK	0.43, 0.00, 0.69, 0.02
HSL	98°, 95%, 64%
HSV	98°, 69%, 98%
XYZ	46.7175, 74.6721, 19.1564
YIQ	198.1000, -9.1560, -76.3880

# Conversions

## Conversions Part 2

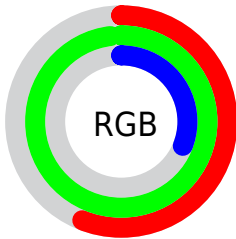
Format	Color
<a href="#">RYB</a>	<a href="#">78, 250, 186</a>
Decimal	<a href="#">9370190</a>
CIELab	<a href="#">89.24, -59.02, 69.38</a>
CIELCh	<a href="#">89, 91.089, 130.389</a>
Yxy	<a href="#">74.6721, 0.3324, 0.5313</a>
Android (android.graphics.Color)	<a href="#">4287560270 (0xFF8EFA4E)</a>
YUV	<a href="#">198.1000, -59.2093, -49.1997</a>
Hunter-Lab	<a href="#">86.4130, -54.7203, 47.3454</a>

# Details

The Yxy color **74.6721, 0.3324, 0.5313** 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 **22.7874, 0.2583, 0.1463**, and the grayscale version is **56.9103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8258, 0.3460, 0.4604**, and **39.8454, 0.3256, 0.5797** is the 20% darker color. If you saturate the color by 10%, you get **73.0902, 0.3300, 0.5547**, and if you desaturate by 10%, it is **76.5922, 0.3329, 0.5032**.

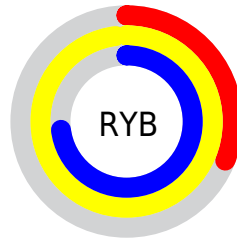
# Distribution



Red (56%)

Green (98%)

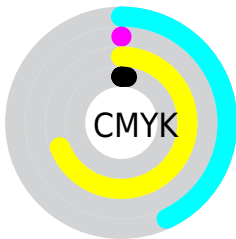
Blue (31%)



Red (31%)

Yellow (98%)

Blue (73%)

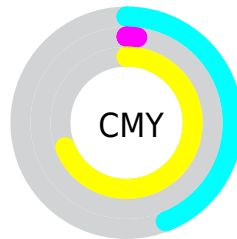


Cyan (43%)

Magenta (0%)

Yellow (69%)

Black (2%)



Cyan (44%)

Magenta (2%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6721, 0.3324, 0.5313 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 74.6721, 0.3324, 0.5313 by changing the saturation by 10% instead.




 74.6721, 0.3324,  
0.5313


 74.6721, 0.3324,  
0.5313


476.7898, 0.3310,  
0.4331


 55.3443, 0.3303,  
0.5536


 125.8481, 0.3338,  
0.4970


 39.6775, 0.3263,  
0.5806

 158.4651, 0.3338,  
0.4837

 27.2871, 0.3192,  
0.6136


 196.2806, 0.3335,  
0.4722

 17.7890, 0.3064,  
0.6536

 239.6790, 0.3331,  
0.4623

 10.7986, 0.2879,  
0.7121

 289.0448, 0.3326,  
0.4536

 5.9316, 0.2437,  
0.7563


344.7622, 0.3321,


 2.8035, 0.1723,


0.4459


0.8277


407.2157, 0.3315,  
0.4392


 1.0300, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.6721, 0.3324,  
0.5313


 74.6721, 0.3324,  
0.5313

 73.0902, 0.3300,  
0.5547


 76.5922, 0.3329,  
0.5032

 71.8122, 0.3259,  
0.5721

 78.8622, 0.3318,  
0.4723


 70.8089, 0.3205,  
0.5831


 81.5048, 0.3293,  
0.4403

 70.7030, 0.3198,  
0.5842

 84.5377, 0.3257,  
0.4089

 87.9774, 0.3215,  
0.3790

 91.8395, 0.3169,  
0.3513

 96.1385, 0.3121,  
0.3261

 96.8534, 0.3129,  
0.3242

# Harmonies

## Analogous

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



74.6721, 0.4271, 0.5020



74.6721, 0.3324, 0.5313



74.6721, 0.2376, 0.4689

# Triad

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



74.6721, 0.3324, 0.5313



74.6721, 0.1468, 0.1905



74.6721, 0.4729, 0.2897

# Complementary

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



74.6721, 0.3324, 0.5313



22.7874, 0.2583, 0.1463

# 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.



74.6721, 0.3687, 0.2307



74.6721, 0.3324, 0.5313



74.6721, 0.1860, 0.1758

# Square

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



74.6721, 0.3324, 0.5313



74.6721, 0.1405, 0.2432



74.6721, 0.2614, 0.1905



74.6721, 0.5219, 0.3583



# Rectangle

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



74.6721, 0.3324, 0.5313



74.6721, 0.1877, 0.3868



74.6721, 0.2614, 0.1905



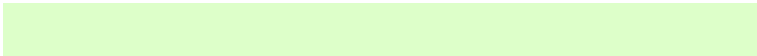
74.6721, 0.4420, 0.2686

# Sweetspot

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



74.6753, 0.3324, 0.5313



91.1902, 0.3224, 0.3854



55.1833, 0.4530, 0.4313



19.3020, 0.3236, 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.



74.6753, 0.3324, 0.5313



75.8436, 0.3284, 0.5630



70.8758, 0.2960, 0.5306



19.6238, 0.3172, 0.3531



37.5770, 0.3210, 0.5833



3.5384, 0.3301, 0.5761



# Inverse Universe

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



22.7874, 0.2583, 0.1463



18.2299, 0.2438, 0.1205



31.4822, 0.3403, 0.1899



17.1829, 0.3078, 0.3052



7.5456, 0.2293, 0.1037

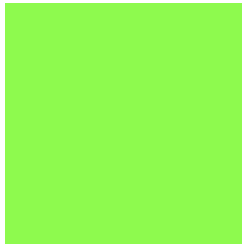


0.7592, 0.2401, 0.1097



# Previews

## White Background



This preview shows how the Yxy color 74.6721, 0.3324, 0.5313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

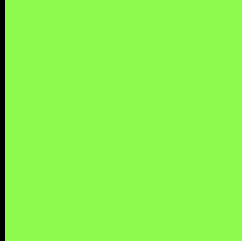
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6721, 0.3324, 0.5313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

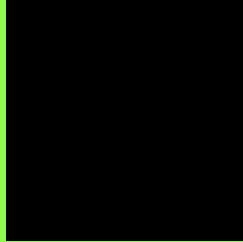
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

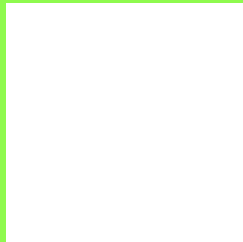
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6721, 0.3324, 0.5313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6721, 0.3324, 0.5313.

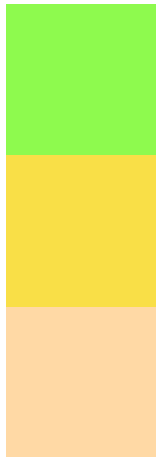


This preview shows how white text looks on a background with the Yxy color 74.6721, 0.3324, 0.5313.

# 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

74.6721, 0.3324, 0.5313

### Protanopia

73.3700, 0.4253, 0.4686

### Deuteranopia

73.6023, 0.3786, 0.3825



## Tritanopia

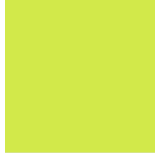
74.4200, 0.2637, 0.3087

# Trichromacy



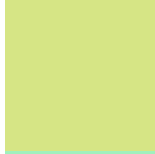
## Original Color

74.6721, 0.3324, 0.5313



## Protanomaly

72.4739, 0.3877, 0.4934



## Deuteranomaly

72.0282, 0.3637, 0.4367



## Tritanomaly

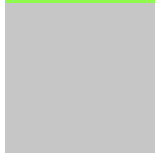
73.4679, 0.2921, 0.3913

# Monochromacy



## Original Color

74.6721, 0.3324, 0.5313



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

61.4238, 0.3261, 0.4087

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6721, 0.3324, 0.5313 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(142, 250, 78)` looks like.

```
.text, #text, p{  
  color:rgb(142, 250, 78)  
}
```

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(142, 250, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 250, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6721, 0.3324, 0.5313 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(142, 250, 78) }
```

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

```
.border{ border-color:rgb(142, 250, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 250, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 250, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 250, 78);  
box-shadow:4px 4px 4px 4px rgb(142, 250,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6721, 0.3324, 0.5313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 250, 78) }
```

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

```
.background{ background-color: rgb(142,  
250, 78) }
```

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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