

# Converting Colors

Yxy(76.2593, 0.3344, 0.5668)

Have a look what the booklet for  
Yxy(76.2593, 0.3344, 0.5668)  
contains.

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# Color

**Yxy(76.2573, 0.3345, 0.5669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81FF19
RGB	129, 255, 25
RGB Percent	51%, 100%, 10%
CMY	0.4939, 0.0000, 0.9022
CMYK	0.49, 0.00, 0.90, 0.00
HSL	93°, 100%, 55%
HSV	93°, 90%, 100%
XYZ	44.9957, 76.2573, 13.2633
YIQ	191.1060, -1.2660, -98.2420

# Conversions

## Conversions Part 2

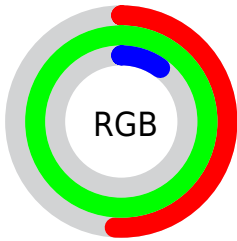
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	25, 255, 151
Decimal	8519449
CIE <sub>Lab</sub>	89.98, -67.12, 83.58
CIE <sub>LCh</sub>	90, 107.194, 128.767
Yxy	76.2573, 0.3345, 0.5669
Android (android.graphics.Color)	4286709529 (0xFF81FF19)
YUV	191.1060, -81.8903, -54.4670
Hunter-Lab	87.3254, -60.8447, 52.1226

# Details

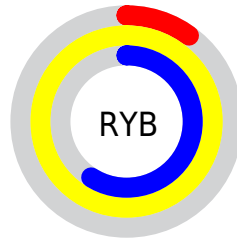
The Yxy color **76.2573, 0.3345, 0.5669** is a dark color, and the websafe version is hex **66FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **14.4807, 0.2202, 0.1024**, and the grayscale version is **52.6580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6466, 0.3549, 0.4964**, and **40.8623, 0.3138, 0.5890** is the 20% darker color. If you saturate the color by 10%, you get **75.1909, 0.3290, 0.5769**, and if you desaturate by 10%, it is **77.5944, 0.3386, 0.5511**.

# Distribution



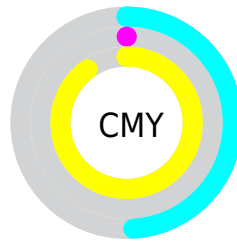
- Red (51%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (59%)



- Cyan (49%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2573, 0.3345, 0.5669 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 76.2573, 0.3345, 0.5669 by changing the saturation by 10% instead.




 76.2573, 0.3345,  
0.5669

 76.2573, 0.3345,  
0.5669

482.2280, 0.3361,  
0.4534

 56.6435, 0.3305,  
0.5914


 128.0905, 0.3379,  
0.5282


 40.7191, 0.3237,  
0.6202


 161.0788, 0.3384,  
0.5128


 28.0997, 0.3123,  
0.6539


 199.2940, 0.3385,  
0.4995

 18.4008, 0.2956,  
0.6975

 243.1205, 0.3382,  
0.4879

 11.2381, 0.2633,  
0.7367

 292.9428, 0.3378,  
0.4776

 6.2272, 0.2156,  
0.7844


 349.1452, 0.3373,

 2.9837, 0.1345,


0.4686


0.8655


412.1122, 0.3368,  
0.4606

 1.1233, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 76.2573, 0.3345,  
0.5669


 76.2573, 0.3345,  
0.5669


 75.1909, 0.3290,  
0.5769


 77.5944, 0.3386,  
0.5511


 79.2059, 0.3407,  
0.5295


 81.1182, 0.3406,  
0.5031

 83.3513, 0.3386,  
0.4738

 85.9230, 0.3350,  
0.4430

 88.8496, 0.3303,  
0.4123

 92.1463, 0.3248,  
0.3827

 95.8270, 0.3189,  
0.3550

99.9050, 0.3128,  
0.3295

# Harmonies

## Analogous

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



76.2573, 0.4408, 0.5174



76.2573, 0.3345, 0.5669



76.2573, 0.2283, 0.5038

# Triad

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



76.2573, 0.3345, 0.5669



76.2573, 0.1265, 0.1737



76.2573, 0.4937, 0.2778

# Complementary

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



76.2573, 0.3345, 0.5669



14.4807, 0.2202, 0.1024

# 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.



76.2573, 0.3691, 0.2145



76.2573, 0.3345, 0.5669



76.2573, 0.1663, 0.1575

# Square

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



76.2573, 0.3345, 0.5669



76.2573, 0.1205, 0.2325



76.2573, 0.2470, 0.1723



76.2573, 0.5522, 0.3510



# Rectangle

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



76.2573, 0.3345, 0.5669



76.2573, 0.1722, 0.4042



76.2573, 0.2470, 0.1723



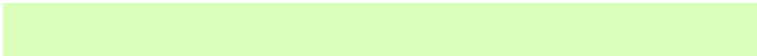
76.2573, 0.4564, 0.2552

# Sweetspot

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



76.2606, 0.3345, 0.5669



89.8710, 0.3286, 0.4026



42.3970, 0.5158, 0.4210



19.0048, 0.3304, 0.4129



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.



76.2606, 0.3345, 0.5669



75.1927, 0.3290, 0.5769



71.8319, 0.2995, 0.5906



20.5707, 0.3184, 0.3531



39.3758, 0.3302, 0.5760



3.8977, 0.3390, 0.5690



# Inverse Universe

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



14.4807, 0.2202, 0.1024



12.7598, 0.2100, 0.0931



28.6883, 0.3285, 0.1613



17.8678, 0.3065, 0.3050



6.7572, 0.2117, 0.0940

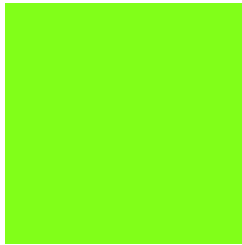


0.7229, 0.2234, 0.1004



# Previews

## White Background



This preview shows how the Yxy color 76.2573, 0.3345, 0.5669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

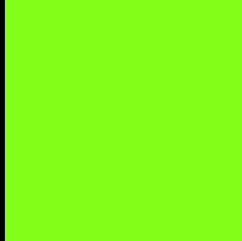
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2573, 0.3345, 0.5669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

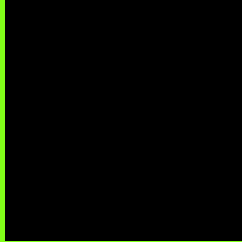
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

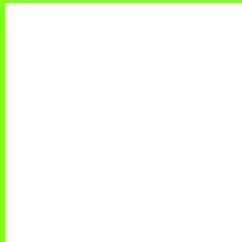
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2573, 0.3345, 0.5669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2573, 0.3345, 0.5669.



This preview shows how white text looks on a background with the Yxy color 76.2573, 0.3345, 0.5669.

# 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

76.2573, 0.3345, 0.5669

### Protanopia

74.7528, 0.4400, 0.4874

### Deuteranopia

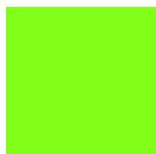
74.7876, 0.3750, 0.3804



## Tritanopia

75.8954, 0.2606, 0.3087

# Trichromacy



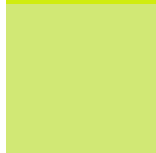
## Original Color

76.2573, 0.3345, 0.5669



## Protanomaly

73.4353, 0.3973, 0.5201



## Deuteranomaly

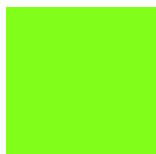
72.5529, 0.3678, 0.4572



## Tritanomaly

74.4139, 0.2979, 0.4196

# Monochromacy



## Original Color

76.2573, 0.3345, 0.5669



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

58.0567, 0.3338, 0.4375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2573, 0.3345, 0.5669 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(129, 255, 25)` looks like.

```
.text, #text, p{  
    color:rgb(129, 255, 25)  
}
```

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(129, 255, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 255, 25) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2573, 0.3345, 0.5669 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(129, 255, 25) }
```

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

```
.border{ border-color:rgb(129, 255, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 255, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 255, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 255, 25);  
box-shadow:4px 4px 4px 4px rgb(129, 255,  
25) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2573, 0.3345, 0.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 255, 25) }
```

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

```
.background{ background-color: rgb(129,  
255, 25) }
```

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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