

# Converting Colors

Yxy(78.1420, 0.3226, 0.5129)

Have a look what the booklet for  
Yxy(78.1420, 0.3226, 0.5129)  
contains.

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# Color

**Yxy(78.1420, 0.3226, 0.5129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFF66
RGB	141, 255, 102
RGB Percent	55%, 100%, 40%
CMY	0.4469, 0.0000, 0.6000
CMYK	0.45, 0.00, 0.60, 0.00
HSL	105°, 100%, 70%
HSV	105°, 60%, 100%
XYZ	49.1492, 78.1420, 25.0621
YIQ	203.4720, -18.8310, -71.7510

# Conversions

## Conversions Part 2

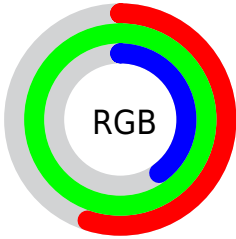
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 216</a>
Decimal	<a href="#">9305958</a>
CIELab	<a href="#">90.84, -59.21, 61.65</a>
CIELCh	<a href="#">91, 85.477, 133.847</a>
Yxy	<a href="#">78.1420, 0.3226, 0.5129</a>
Android (android.graphics.Color)	<a href="#">4287496038 (0xFF8DFF66)</a>
YUV	<a href="#">203.4720, -50.0257, -54.7879</a>
Hunter-Lab	<a href="#">88.3980, -55.4506, 45.0690</a>

# Details

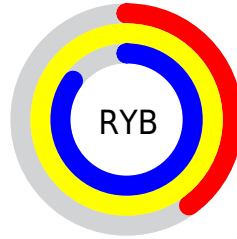
The Yxy color **78.1420, 0.3226, 0.5129** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.3139, 0.2833, 0.1736**, and the grayscale version is **60.3725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4061, 0.3335, 0.4365**, and **41.8274, 0.3171, 0.5586** is the 20% darker color. If you saturate the color by 10%, you get **76.1895, 0.3210, 0.5420**, and if you desaturate by 10%, it is **80.5422, 0.3229, 0.4805**.

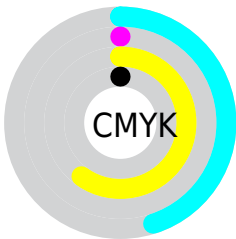
# Distribution



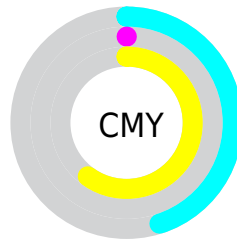
- Red (55%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1420, 0.3226, 0.5129 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 78.1420, 0.3226, 0.5129 by changing the saturation by 10% instead.





 78.1420, 0.3226,  
0.5129


 78.1420, 0.3226,  
0.5129


488.6489, 0.3239,  
0.4234


 58.1906, 0.3205,  
0.5336


 130.7503, 0.3244,  
0.4814


 41.9619, 0.3170,  
0.5591

 164.1760, 0.3247,  
0.4693

 29.0715, 0.3110,  
0.5907


 202.8619, 0.3248,  
0.4589

 19.1349, 0.3005,  
0.6304

 247.1925, 0.3248,  
0.4498

 11.7678, 0.2826,  
0.6818

297.5521, 0.3246,  
0.4420

 6.5858, 0.2512,  
0.7488


354.3251, 0.3244,


 3.2044, 0.1892,


0.4350


0.8108


417.8959, 0.3242,  
0.4289


 1.2394, 0.0000,  
1.0000


 0.0935, 0.0000,  
1.0000


 78.1420, 0.3226,  
0.5129


 78.1420, 0.3226,  
0.5129


 76.1895, 0.3210,  
0.5420


 80.5422, 0.3229,  
0.4805


 74.6454, 0.3180,  
0.5658

 83.4065, 0.3221,  
0.4470

 73.4795, 0.3140,  
0.5826

 86.7625, 0.3205,  
0.4141

 72.6455, 0.3095,  
0.5925

 90.6327, 0.3182,  
0.3831

 72.6454, 0.3095,  
0.5925

 95.0382, 0.3156,  
0.3546

99.9987, 0.3127,  
0.3290

99.9987, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.1420, 0.4126, 0.4975



78.1420, 0.3226, 0.5129



78.1420, 0.2347, 0.4451

# Triad

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



78.1420, 0.3226, 0.5129



78.1420, 0.1589, 0.1961



78.1420, 0.4696, 0.3005

# Complementary

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



78.1420, 0.3226, 0.5129



31.3139, 0.2833, 0.1736

# 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.



78.1420, 0.3772, 0.2426



78.1420, 0.3226, 0.5129



78.1420, 0.2003, 0.1850

# Square

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



78.1420, 0.3226, 0.5129



78.1420, 0.1495, 0.2421



78.1420, 0.2757, 0.2018



78.1420, 0.5083, 0.3669



# Rectangle

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



78.1420, 0.3226, 0.5129



78.1420, 0.1899, 0.3693



78.1420, 0.2757, 0.2018



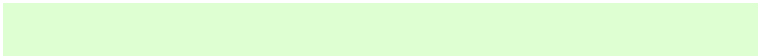
78.1420, 0.4429, 0.2799

# Sweetspot

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



78.1453, 0.3226, 0.5129



91.4716, 0.3177, 0.3772



70.4129, 0.4214, 0.4381



19.3193, 0.3184, 0.3858



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.



78.1453, 0.3226, 0.5129



75.8500, 0.3205, 0.5473



76.1699, 0.2895, 0.4815



20.3921, 0.3154, 0.3533



38.0191, 0.3104, 0.5917



3.7512, 0.3181, 0.5856



# Inverse Universe

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



31.3139, 0.2833, 0.1736



25.2075, 0.2751, 0.1495



35.8929, 0.3548, 0.2165



18.0533, 0.3097, 0.3053



9.5620, 0.2569, 0.1189

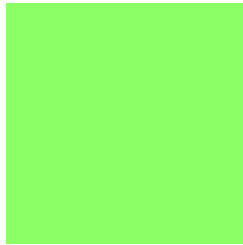


0.9831, 0.2645, 0.1231



# Previews

## White Background



This preview shows how the Yxy color 78.1420, 0.3226, 0.5129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

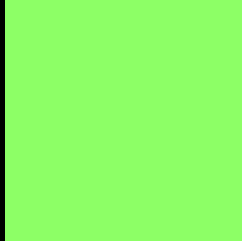
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.1420, 0.3226, 0.5129 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

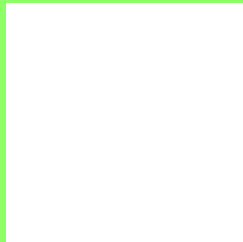
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.1420, 0.3226, 0.5129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.1420, 0.3226, 0.5129.



This preview shows how white text looks on a background with the Yxy color 78.1420, 0.3226, 0.5129.

# 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

78.1420, 0.3226, 0.5129

### Protanopia

77.1776, 0.4152, 0.4560

### Deuteranopia

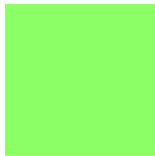
76.8387, 0.3655, 0.3710



## Tritanopia

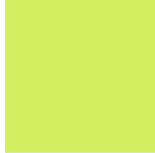
77.7162, 0.2664, 0.3102

# Trichromacy



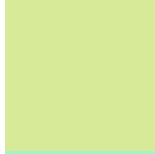
## Original Color

78.1420, 0.3226, 0.5129



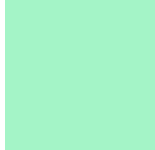
## Protanomaly

76.0092, 0.3773, 0.4789



## Deuteranomaly

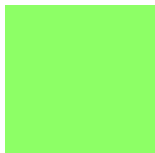
75.4088, 0.3506, 0.4209



## Tritanomaly

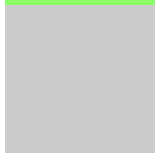
76.7174, 0.2892, 0.3827

# Monochromacy



## Original Color

78.1420, 0.3226, 0.5129



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

64.6990, 0.3192, 0.3985

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.1420, 0.3226, 0.5129 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(141, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 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(141, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 78.1420, 0.3226, 0.5129 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(141, 255, 102) }
```

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

```
.border{ border-color:rgb(141, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 255, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 255, 102); box-shadow:4px 4px 4px 4px rgb(141, 255, 102) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.1420, 0.3226, 0.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 255, 102) }
```

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

```
.background{ background-color: rgb(141,  
255, 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](#).

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