

# Converting Colors

Yxy(78.2525, 0.3209, 0.5083)

Have a look what the booklet for  
Yxy(78.2525, 0.3209, 0.5083)  
contains.

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**Color**

**Yxy(78.2443, 0.3207, 0.5079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DFF6B
RGB	141, 255, 107
RGB Percent	55%, 100%, 42%
CMY	0.4468, 0.0000, 0.5804
CMYK	0.45, 0.00, 0.58, 0.00
HSL	106°, 100%, 71%
HSV	106°, 58%, 100%
XYZ	49.4053, 78.2443, 26.4049
YIQ	204.0420, -20.4360, -70.1960

# Conversions

## Conversions Part 2

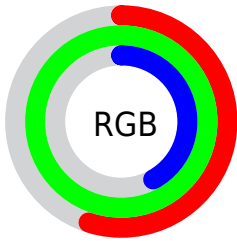
Format	Color
<a href="#">RYB</a>	<a href="#">107, 255, 221</a>
Decimal	<a href="#">9305963</a>
CIELab	<a href="#">90.89, -58.72, 59.57</a>
CIElCh	<a href="#">91, 83.647, 134.585</a>
Yxy	<a href="#">78.2443, 0.3207, 0.5079</a>
Android (android.graphics.Color)	<a href="#">4287496043 (0xFF8DFF6B)</a>
YUV	<a href="#">204.0420, -47.8417, -55.2878</a>
Hunter-Lab	<a href="#">88.4558, -55.0999, 44.2204</a>

# Details

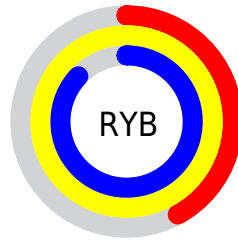
The Yxy color **78.2443, 0.3207, 0.5079** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.0943, 0.2880, 0.1795**, and the grayscale version is **60.7392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5461, 0.3313, 0.4321**, and **41.8770, 0.3153, 0.5532** is the 20% darker color. If you saturate the color by 10%, you get **76.2159, 0.3192, 0.5381**, and if you desaturate by 10%, it is **80.7426, 0.3210, 0.4748**.

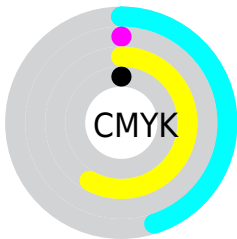
# Distribution



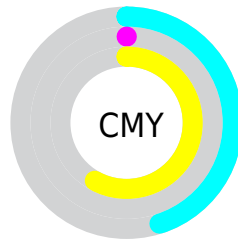
- Red (55%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (87%)



- Cyan (45%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2443, 0.3207, 0.5079 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 78.2443, 0.3207, 0.5079 by changing the saturation by 10% instead.




 78.2443, 0.3207,  
0.5079


 78.2443, 0.3207,  
0.5079

488.9961, 0.3225,  
0.4207


 58.2747, 0.3187,  
0.5282


 130.8945, 0.3226,  
0.4772

 42.0295, 0.3152,  
0.5532


 164.3438, 0.3230,  
0.4653

 29.1244, 0.3094,  
0.5844


 203.0551, 0.3231,  
0.4552

 19.1750, 0.2994,  
0.6238

 247.4129, 0.3231,  
0.4464

 11.7968, 0.2820,  
0.6744

297.8015, 0.3230,  
0.4388

 6.6054, 0.2534,  
0.7466

354.6053, 0.3229,

 3.2166, 0.1921,

0.4320

0.8079

418.2087, 0.3227,  
0.4261

■ 1.2458, 0.0000,  
1.0000

■ 0.0987, 0.0000,  
1.0000

■ 78.2443, 0.3207,  
0.5079

■ 78.2443, 0.3207,  
0.5079

■ 76.2159, 0.3192,  
0.5381

■ 80.7426, 0.3210,  
0.4748

■ 74.6169, 0.3165,  
0.5632


■ 83.7284, 0.3204,  
0.4410

■ 73.4160, 0.3128,  
0.5815

■ 87.2301, 0.3190,  
0.4082

■ 72.5709, 0.3085,  
0.5922

■ 91.2715, 0.3170,  
0.3774

 72.4389, 0.3078,  
0.5938

 95.8744, 0.3147,  
0.3494

99.9983, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.2443, 0.4093, 0.4955



78.2443, 0.3207, 0.5079



78.2443, 0.2347, 0.4397

# Triad

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



78.2443, 0.3207, 0.5079



78.2443, 0.1621, 0.1979



78.2443, 0.4679, 0.3029

# Complementary

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



78.2443, 0.3207, 0.5079



33.0943, 0.2880, 0.1795

# 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.



78.2443, 0.3785, 0.2454



78.2443, 0.3207, 0.5079



78.2443, 0.2038, 0.1875

# Square

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



78.2443, 0.3207, 0.5079



78.2443, 0.1521, 0.2425



78.2443, 0.2788, 0.2047



78.2443, 0.5045, 0.3685



# Rectangle

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



78.2443, 0.3207, 0.5079



78.2443, 0.1910, 0.3658



78.2443, 0.2788, 0.2047



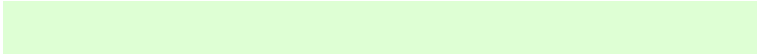
78.2443, 0.4422, 0.2825

# Sweetspot

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



78.2476, 0.3207, 0.5079



91.7268, 0.3168, 0.3744



73.7504, 0.4147, 0.4394



19.4475, 0.3172, 0.3803



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.



78.2476, 0.3207, 0.5079



75.8715, 0.3188, 0.5435



76.7332, 0.2878, 0.4693



20.3698, 0.3150, 0.3533



37.9067, 0.3086, 0.5931



3.7375, 0.3160, 0.5873



# Inverse Universe

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



33.0943, 0.2880, 0.1795



26.7410, 0.2807, 0.1552



36.7065, 0.3584, 0.2236



18.0772, 0.3101, 0.3053



9.9967, 0.2631, 0.1223

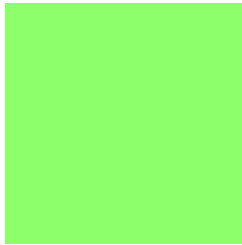


1.0222, 0.2700, 0.1261



# Previews

## White Background



This preview shows how the Yxy color 78.2443, 0.3207, 0.5079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

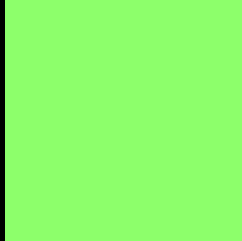
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.2443, 0.3207, 0.5079 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

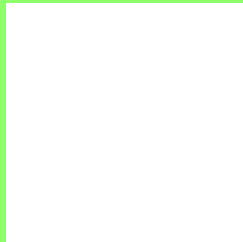
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.2443, 0.3207, 0.5079**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.2443, 0.3207, 0.5079.

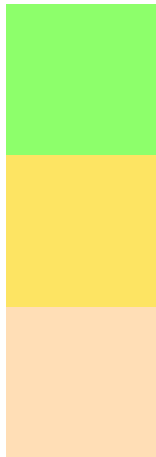


This preview shows how white text looks on a background with the Yxy color 78.2443, 0.3207, 0.5079.

# 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

78.2443, 0.3207, 0.5079

### Protanopia

77.2703, 0.4128, 0.4525

### Deuteranopia

76.8800, 0.3648, 0.3700



## Tritanopia

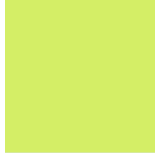
77.7162, 0.2664, 0.3102

# Trichromacy



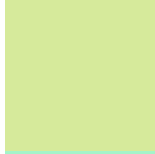
## Original Color

78.2443, 0.3207, 0.5079



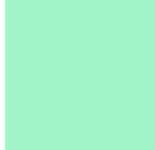
## Protanomaly

76.1054, 0.3750, 0.4747



## Deuteranomaly

75.5083, 0.3488, 0.4175



## Tritanomaly

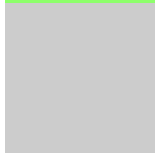
76.8109, 0.2881, 0.3802

# Monochromacy



## Original Color

78.2443, 0.3207, 0.5079



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

65.4637, 0.3179, 0.3956

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.2443, 0.3207, 0.5079 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(141, 255, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 255, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 78.2443, 0.3207, 0.5079 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, 107) }
```

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

```
.border{ border-color:rgb(141, 255, 107) }
```

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, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(141, 255,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.2443, 0.3207, 0.5079 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, 107) }
```

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

```
.background{ background-color: rgb(141,  
255, 107) }
```

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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