

# Converting Colors

$Yxy(90.2194, 0.3211, 0.5131)$

Have a look what the booklet for  
Yxy(90.2194, 0.3211, 0.5131)  
contains.

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# Color

**Yxy(78.9417, 0.3234, 0.5027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FF6E
RGB	148, 255, 110
RGB Percent	58%, 100%, 43%
CMY	0.4196, 0.0000, 0.5687
CMYK	0.42, 0.00, 0.57, 0.00
HSL	104°, 100%, 72%
HSV	104°, 57%, 100%
XYZ	50.7853, 78.9417, 27.3085
YIQ	206.4770, -17.2270, -67.7790

# Conversions

## Conversions Part 2

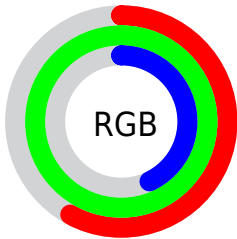
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 255, 217
Decimal	9764718
CIELab	91.21, -56.37, 58.71
CIELCh	91, 81.396, 133.835
Yxy	78.9417, 0.3234, 0.5027
Android (android.graphics.Color)	4287954798 (0xFF94FF6E)
YUV	206.4770, -47.5632, -51.2843
Hunter-Lab	88.8491, -53.4572, 43.9712

# Details

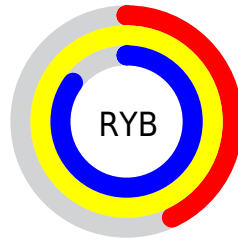
The Yxy color **78.9417, 0.3234, 0.5027** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.1214, 0.2845, 0.1804**, and the grayscale version is **62.3594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5020, 0.3336, 0.4275**, and **42.2830, 0.3187, 0.5460** is the 20% darker color. If you saturate the color by 10%, you get **76.8484, 0.3222, 0.5330**, and if you desaturate by 10%, it is **81.4777, 0.3233, 0.4698**.

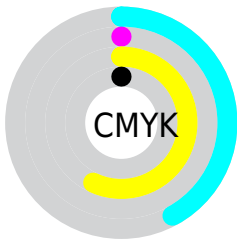
# Distribution



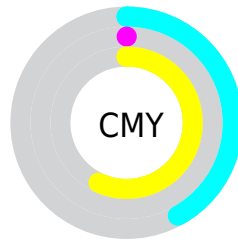
- Red (58%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (85%)



- Cyan (42%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9417, 0.3234, 0.5027 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 78.9417, 0.3234, 0.5027 by changing the saturation by 10% instead.




 78.9417, 0.3234,  
0.5027


 78.9417, 0.3234,  
0.5027

491.3591, 0.3237,  
0.4184


 58.8479, 0.3218,  
0.5223


 131.8768, 0.3247,  
0.4730

 42.4907, 0.3189,  
0.5464


 165.4868, 0.3248,  
0.4616

 29.4857, 0.3140,  
0.5764


 204.3711, 0.3248,  
0.4518

 19.4485, 0.3051,  
0.6145

248.9139, 0.3247,  
0.4433

 11.9948, 0.2893,  
0.6631

299.4997, 0.3245,  
0.4359

 6.7402, 0.2642,  
0.7358


356.5130, 0.3242,


 3.3001, 0.2059,


0.4293


0.7941


420.3379, 0.3240,  
0.4235

 1.2904, 0.0000,  
1.0000


 0.1337, 0.0000,  
1.0000


 78.9417, 0.3234,  
0.5027


 78.9417, 0.3234,  
0.5027


 76.8484, 0.3222,  
0.5330


 81.4777, 0.3233,  
0.4698


 75.1735, 0.3197,  
0.5586


 84.4851, 0.3221,  
0.4365


 73.8841, 0.3159,  
0.5777

 87.9861, 0.3201,  
0.4041

 72.9430, 0.3114,  
0.5894

 92.0024, 0.3176,  
0.3739

 72.7070, 0.3100,  
0.5921

 96.5543, 0.3148,  
0.3463

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.9417, 0.4096, 0.4903



78.9417, 0.3234, 0.5027



78.9417, 0.2390, 0.4385

# Triad

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



78.9417, 0.3234, 0.5027



78.9417, 0.1650, 0.2018



78.9417, 0.4617, 0.3025

# Complementary

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



78.9417, 0.3234, 0.5027



33.1214, 0.2845, 0.1804

# 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.



78.9417, 0.3742, 0.2463



78.9417, 0.3234, 0.5027



78.9417, 0.2051, 0.1907

# Square

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



78.9417, 0.3234, 0.5027



78.9417, 0.1560, 0.2468



78.9417, 0.2778, 0.2069



78.9417, 0.4991, 0.3668



# Rectangle

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



78.9417, 0.3234, 0.5027



78.9417, 0.1957, 0.3676



78.9417, 0.2778, 0.2069



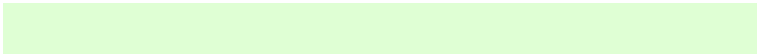
78.9417, 0.4364, 0.2825

# Sweetspot

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



78.9406, 0.3234, 0.5027



91.9454, 0.3176, 0.3743



71.6669, 0.4155, 0.4335



19.4986, 0.3182, 0.3801



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.



78.9406, 0.3234, 0.5027



76.6382, 0.3220, 0.5362



76.8427, 0.2901, 0.4723



20.3982, 0.3155, 0.3533



38.0518, 0.3109, 0.5913



3.7551, 0.3187, 0.5851



# Inverse Universe

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



33.1214, 0.2845, 0.1804



26.8316, 0.2767, 0.1564



37.6390, 0.3520, 0.2212



18.0468, 0.3096, 0.3053



9.4470, 0.2553, 0.1180

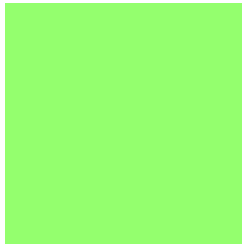


0.9727, 0.2630, 0.1223



# Previews

## White Background



This preview shows how the Yxy color 78.9417, 0.3234, 0.5027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

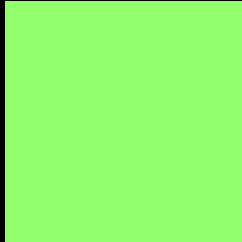
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9417, 0.3234, 0.5027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

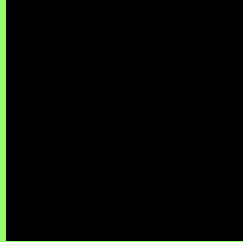
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

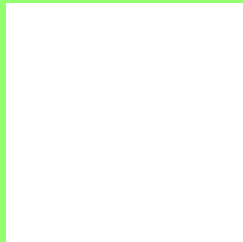
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.9417, 0.3234, 0.5027**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9417, 0.3234, 0.5027.

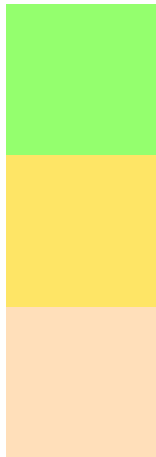


This preview shows how white text looks on a background with the Yxy color 78.9417, 0.3234, 0.5027.

# 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

78.9417, 0.3234, 0.5027

### Protanopia

78.0688, 0.4115, 0.4506

### Deuteranopia

77.5805, 0.3617, 0.3669



## Tritanopia

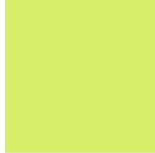
78.3142, 0.2691, 0.3103

# Trichromacy



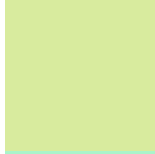
## Original Color

78.9417, 0.3234, 0.5027



## Protanomaly

76.6161, 0.3758, 0.4709



## Deuteranomaly

76.4842, 0.3481, 0.4148



## Tritanomaly

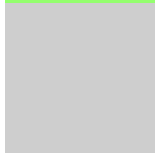
77.5117, 0.2910, 0.3785

# Monochromacy



## Original Color

78.9417, 0.3234, 0.5027



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.5659, 0.3194, 0.3936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9417, 0.3234, 0.5027 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(148, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 110)  
}
```

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(148, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9417, 0.3234, 0.5027 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(148, 255, 110) }
```

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

```
.border{ border-color:rgb(148, 255, 110) }
```

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

Here you see how a box with a 4 pixel rgb(148, 255, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9417, 0.3234, 0.5027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 110) }
```

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

```
.background{ background-color: rgb(148,  
255, 110) }
```

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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