

# Converting Colors

Yxy(78.4069, 0.3162, 0.4974)

Have a look what the booklet for  
Yxy(78.4069, 0.3162, 0.4974)  
contains.

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**Color**

**Yxy(78.3798, 0.3161, 0.4976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CFF75
RGB	140, 255, 117
RGB Percent	55%, 100%, 46%
CMY	0.4509, 0.0000, 0.5410
CMYK	0.45, 0.00, 0.54, 0.00
HSL	110°, 100%, 73%
HSV	110°, 54%, 100%
XYZ	49.7907, 78.3798, 29.3452
YIQ	204.8830, -24.2420, -67.2980

# Conversions

## Conversions Part 2

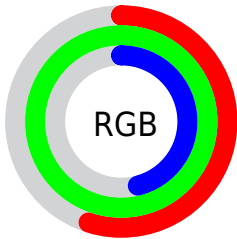
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 255, 232
Decimal	9240437
CIELab	90.95, -57.94, 55.21
CIELCh	91, 80.035, 136.381
Yxy	78.3798, 0.3161, 0.4976
Android (android.graphics.Color)	4287430517 (0xFF8CFF75)
YUV	204.8830, -43.3263, -56.9024
Hunter-Lab	88.5324, -54.5430, 42.3202

# Details

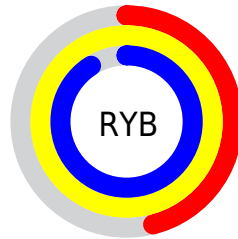
The Yxy color **78.3798, 0.3161, 0.4976** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **37.1102, 0.2981, 0.1917**, and the grayscale version is **61.2716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6407, 0.3247, 0.4213**, and **41.9537, 0.3105, 0.5408** is the 20% darker color. If you saturate the color by 10%, you get **76.1905, 0.3147, 0.5299**, and if you desaturate by 10%, it is **81.0950, 0.3167, 0.4632**.

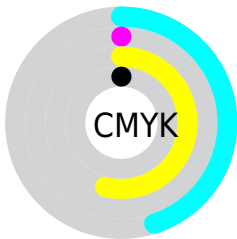
# Distribution



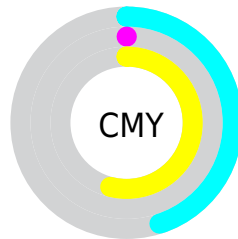
- Red (55%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3798, 0.3161, 0.4976 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 78.3798, 0.3161, 0.4976 by changing the saturation by 10% instead.




 78.3798, 0.3161,  
0.4976


 78.3798, 0.3161,  
0.4976


489.4557, 0.3193,  
0.4152


 58.3860, 0.3140,  
0.5169


 131.0854, 0.3183,  
0.4685

 42.1191, 0.3106,  
0.5409


 164.5660, 0.3188,  
0.4573

 29.1945, 0.3051,  
0.5711


 203.3110, 0.3191,  
0.4477

 19.2280, 0.2959,  
0.6098

247.7048, 0.3193,  
0.4394

 11.8352, 0.2797,  
0.6600

298.1317, 0.3194,  
0.4322

 6.6315, 0.2568,  
0.7432


354.9763, 0.3194,


 3.2328, 0.1964,

0.4259


0.8036


418.6228, 0.3193,  
0.4203


 1.2544, 0.0000,  
1.0000


 0.1055, 0.0000,  
1.0000


 78.3798, 0.3161,  
0.4976


 78.3798, 0.3161,  
0.4976


 76.1905, 0.3147,  
0.5299

 81.0950, 0.3167,  
0.4632


 74.4839, 0.3125,  
0.5577


 84.3580, 0.3165,  
0.4289

 73.2244, 0.3095,  
0.5788

 88.2005, 0.3158,  
0.3963

 72.3673, 0.3061,  
0.5920

 92.6490, 0.3147,  
0.3662

 72.0225, 0.3043,  
0.5966

 97.7284, 0.3133,  
0.3392

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.



78.3798, 0.4020, 0.4916



78.3798, 0.3161, 0.4976



78.3798, 0.2339, 0.4285

# Triad

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



78.3798, 0.3161, 0.4976



78.3798, 0.1688, 0.2013



78.3798, 0.4650, 0.3082

# Complementary

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



78.3798, 0.3161, 0.4976



37.1102, 0.2981, 0.1917

# Split Complementary

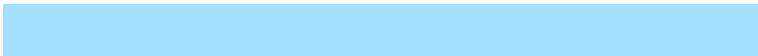
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3798, 0.3817, 0.2516



78.3798, 0.3161, 0.4976



78.3798, 0.2113, 0.1926

# Square

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



78.3798, 0.3161, 0.4976



78.3798, 0.1573, 0.2427



78.3798, 0.2857, 0.2108



78.3798, 0.4969, 0.3723



# Rectangle

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



78.3798, 0.3161, 0.4976



78.3798, 0.1928, 0.3581



78.3798, 0.2857, 0.2108



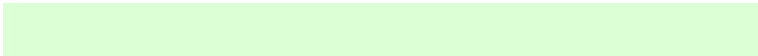
78.3798, 0.4414, 0.2881

# Sweetspot

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



78.3828, 0.3161, 0.4976



91.7570, 0.3149, 0.3717



80.2622, 0.4027, 0.4409



19.4381, 0.3152, 0.3778



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.



78.3828, 0.3161, 0.4976



76.0180, 0.3145, 0.5326



77.9499, 0.2845, 0.4461



20.3135, 0.3141, 0.3534



37.6756, 0.3050, 0.5961



3.7072, 0.3113, 0.5911



# Inverse Universe

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



37.1102, 0.2981, 0.1917



30.8001, 0.2937, 0.1693



38.5959, 0.3641, 0.2377



18.1382, 0.3111, 0.3054



11.1832, 0.2790, 0.1311

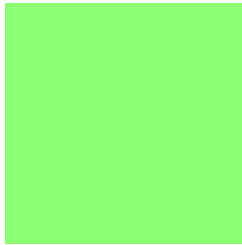


1.1277, 0.2840, 0.1338



# Previews

## White Background



This preview shows how the Yxy color 78.3798, 0.3161, 0.4976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

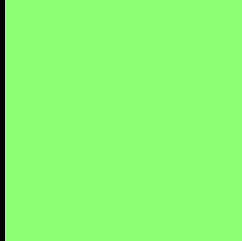
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3798, 0.3161, 0.4976 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 78.3798, 0.3161, 0.4976**

## Background



This preview shows how black text looks on a background with the Yxy color 78.3798, 0.3161, 0.4976.

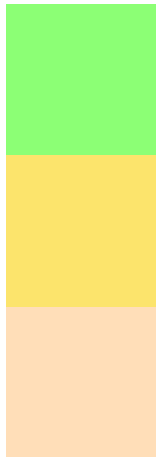


This preview shows how white text looks on a background with the Yxy color 78.3798, 0.3161, 0.4976.

# 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

78.3798, 0.3161, 0.4976

### Protanopia

77.2650, 0.4075, 0.4460

### Deuteranopia

76.9632, 0.3634, 0.3679



## Tritanopia

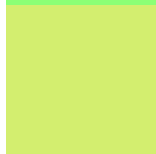
77.7162, 0.2664, 0.3102

# Trichromacy



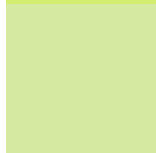
## Original Color

78.3798, 0.3161, 0.4976



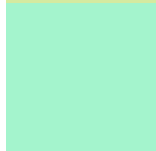
## Protanomaly

76.1457, 0.3700, 0.4671



## Deuteranomaly

75.5298, 0.3449, 0.4122



## Tritanomaly

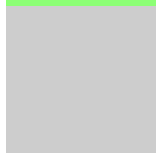
77.0017, 0.2860, 0.3752

# Monochromacy



## Original Color

78.3798, 0.3161, 0.4976



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

65.6162, 0.3154, 0.3905

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3798, 0.3161, 0.4976 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(140, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 117)  
}
```

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(140, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3798, 0.3161, 0.4976 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(140, 255, 117) }
```

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

```
.border{ border-color:rgb(140, 255, 117) }
```

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

Here you see how a box with a 4 pixel rgb(140, 255, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3798, 0.3161, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 117) }
```

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

```
.background{ background-color: rgb(140,  
255, 117) }
```

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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