

# Converting Colors

Yxy(78.6938, 0.2895, 0.4455)

Have a look what the booklet for  
Yxy(78.6938, 0.2895, 0.4455)  
contains.

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# Color

**Yxy(78.7178, 0.2899, 0.4458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FFA2
RGB	128, 255, 162
RGB Percent	50%, 100%, 64%
CMY	0.4978, 0.0000, 0.3648
CMYK	0.50, 0.00, 0.36, 0.00
HSL	136°, 100%, 75%
HSV	136°, 50%, 100%
XYZ	51.1895, 78.7178, 46.6692
YIQ	206.4250, -45.8390, -55.8470

# Conversions

## Conversions Part 2

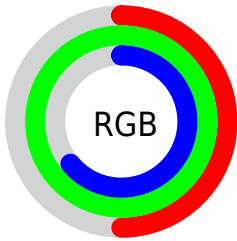
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 228, 255
Decimal	8454050
CIELab	91.11, -54.86, 33.87
CIElCh	91, 64.476, 148.309
Yxy	78.7178, 0.2899, 0.4458
Android (android.graphics.Color)	4286644130 (0xFF80FFA2)
YUV	206.4250, -21.9015, -68.7787
Hunter-Lab	88.7231, -52.2782, 30.9190

# Details

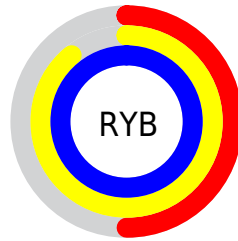
The Yxy color **78.7178, 0.2899, 0.4458** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.9403, 0.3499, 0.2366**, and the grayscale version is **62.1842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1468, 0.2925, 0.3699**, and **42.1949, 0.2823, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **76.3688, 0.2874, 0.4742**, and if you desaturate by 10%, it is **81.6689, 0.2935, 0.4183**.

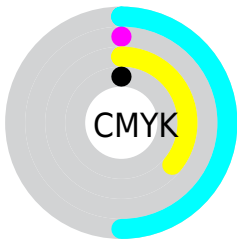
# Distribution



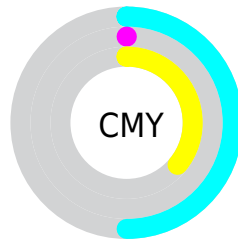
- Red (50%)
- Green (100%)
- Blue (64%)



- Red (50%)
- Yellow (89%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7178, 0.2899, 0.4458 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 78.7178, 0.2899, 0.4458 by changing the saturation by 10% instead.





 78.7178, 0.2899,  
0.4458


 78.7178, 0.2899,  
0.4458


490.6012, 0.3024,  
0.3887


 58.6638, 0.2865,  
0.4595


 131.5615, 0.2946,  
0.4254

 42.3426, 0.2821,  
0.4768


 165.1200, 0.2964,  
0.4177

 29.3696, 0.2761,  
0.4990


 203.9488, 0.2978,  
0.4111

 19.3606, 0.2675,  
0.5288

248.4323, 0.2990,  
0.4054

 11.9311, 0.2544,  
0.5703

298.9549, 0.3001,  
0.4004

 6.6968, 0.2331,  
0.6309

355.9010, 0.3009,

 3.2732, 0.2037,

0.3960

0.7557

419.6549, 0.3017,  
0.3922

■ 1.2760, 0.0000,  
1.0000

■ 0.1225, 0.0000,  
1.0000

■ 78.7178, 0.2899,  
0.4458

■ 78.7178, 0.2899,  
0.4458

■ 76.3688, 0.2874,  
0.4742

■ 81.6689, 0.2935,  
0.4183

■ 74.5699, 0.2862,  
0.5022

■ 85.2503, 0.2979,  
0.3924

■ 73.2763, 0.2866,  
0.5283

■ 89.5003, 0.3027,  
0.3687

■ 72.4311, 0.2886,  
0.5512

■ 94.4511, 0.3077,  
0.3474

■ 71.9464, 0.2916,  
0.5698

99.9986, 0.3127,  
0.3290

■ 71.9376, 0.2917,  
0.5701

# Harmonies

## Analogous

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



78.7178, 0.3624, 0.4682



78.7178, 0.2899, 0.4458



78.7178, 0.2275, 0.3758

# Triad

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



78.7178, 0.2899, 0.4458



78.7178, 0.2036, 0.2168



78.7178, 0.4519, 0.3357

# Complementary

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



78.7178, 0.2899, 0.4458



41.9403, 0.3499, 0.2366

# 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.



78.7178, 0.3985, 0.2833



78.7178, 0.2899, 0.4458



78.7178, 0.2513, 0.2181

# Square

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



78.7178, 0.2899, 0.4458



78.7178, 0.1830, 0.2420



78.7178, 0.3219, 0.2418



78.7178, 0.4603, 0.3916



# Rectangle

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



78.7178, 0.2899, 0.4458



78.7178, 0.1996, 0.3217



78.7178, 0.3219, 0.2418



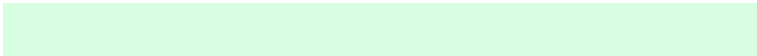
78.7178, 0.4385, 0.3175

# Sweetspot

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



78.7210, 0.2899, 0.4458



91.7778, 0.3051, 0.3582



88.4746, 0.3624, 0.4611



19.4250, 0.3040, 0.3628



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.



78.7210, 0.2899, 0.4458



76.3244, 0.2873, 0.4748



81.5701, 0.2603, 0.3641



20.2479, 0.3079, 0.3469



37.6107, 0.2910, 0.5674



3.6792, 0.2850, 0.5458



# Inverse Universe

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



41.9403, 0.3499, 0.2366



35.6239, 0.3605, 0.2209



39.1732, 0.4202, 0.2987



18.2126, 0.3179, 0.3117



13.0066, 0.4027, 0.1992

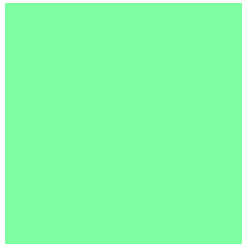


1.2846, 0.3912, 0.1929



# Previews

## White Background



This preview shows how the Yxy color 78.7178, 0.2899, 0.4458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

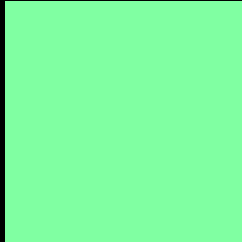
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.7178, 0.2899, 0.4458 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

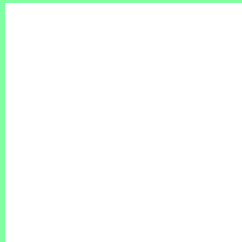
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.7178, 0.2899, 0.4458**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.7178, 0.2899, 0.4458.

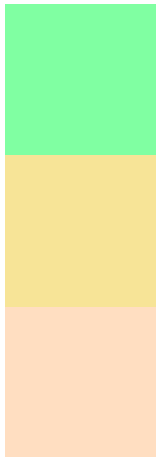


This preview shows how white text looks on a background with the Yxy color 78.7178, 0.2899, 0.4458.

# 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

78.7178, 0.2899, 0.4458

### Protanopia

77.4953, 0.3780, 0.4086

### Deuteranopia

77.3528, 0.3570, 0.3587



## Tritanopia

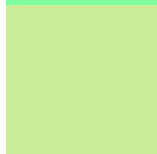
78.4244, 0.2646, 0.3123

# Trichromacy



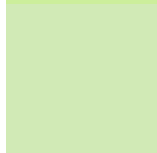
## Original Color

78.7178, 0.2899, 0.4458



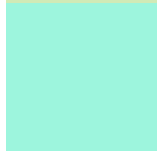
## Protanomaly

76.3530, 0.3406, 0.4236



## Deuteranomaly

75.7783, 0.3283, 0.3877



## Tritanomaly

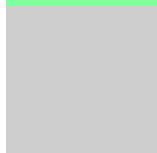
77.6934, 0.2740, 0.3571

# Monochromacy



## Original Color

78.7178, 0.2899, 0.4458



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.4940, 0.3026, 0.3705

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  78.7178, 0.2899, 0.4458 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(128, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 162)  
}
```

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(128, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7178, 0.2899, 0.4458 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(128, 255, 162) }
```

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

```
.border{ border-color:rgb(128, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 162);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7178, 0.2899, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 162) }
```

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

```
.background{ background-color: rgb(128,  
255, 162) }
```

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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