

# Converting Colors

$Yxy(88.7448, 0.2835, 0.4396)$

Have a look what the booklet for  
Yxy(88.7448, 0.2835, 0.4396)  
contains.

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# Color

**Yxy(79.2064, 0.2823, 0.4264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FFFB1
RGB	127, 255, 177
RGB Percent	50%, 100%, 69%
CMY	0.5022, 0.0000, 0.3059
CMYK	0.50, 0.00, 0.31, 0.00
HSL	143°, 100%, 75%
HSV	143°, 50%, 100%
XYZ	52.4389, 79.2064, 54.1108
YIQ	207.8360, -51.2500, -51.3940

# Conversions

## Conversions Part 2

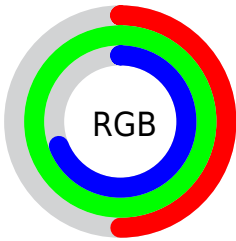
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 219, 255</a>
Decimal	<a href="#">8388529</a>
CIELab	<a href="#">91.33, -52.53, 26.63</a>
CIElCh	<a href="#">91, 58.897, 153.119</a>
Yxy	<a href="#">79.2064, 0.2823, 0.4264</a>
Android (android.graphics.Color)	<a href="#">4286578609 (0xFF7FFFB1)</a>
YUV	<a href="#">207.8360, -15.2021, -70.8932</a>
Hunter-Lab	<a href="#">88.9980, -50.5716, 26.2503</a>

# Details

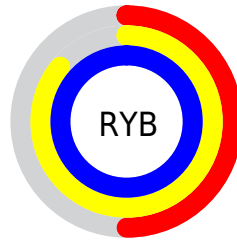
The Yxy color **79.2064, 0.2823, 0.4264** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **40.8259, 0.3668, 0.2503**, and the grayscale version is **63.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8423, 0.2841, 0.3530**, and **42.5116, 0.2737, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **76.9008, 0.2790, 0.4502**, and if you desaturate by 10%, it is **82.0658, 0.2870, 0.4035**.

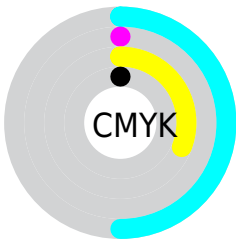
# Distribution



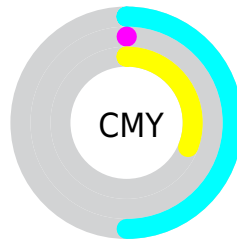
- Red (50%)
- Green (100%)
- Blue (69%)



- Red (50%)
- Yellow (86%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (50%)
- Magenta (0%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.2064, 0.2823, 0.4264 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 79.2064, 0.2823, 0.4264 by changing the saturation by 10% instead.





 79.2064, 0.2823,  
0.4264


 79.2064, 0.2823,  
0.4264


492.2543, 0.2976,  
0.3791


 59.0655, 0.2785,  
0.4377


 132.2494, 0.2879,  
0.4096

 42.6659, 0.2736,  
0.4519


 165.9203, 0.2900,  
0.4032

 29.6230, 0.2672,  
0.4703


 204.8700, 0.2917,  
0.3977

 19.5526, 0.2584,  
0.4950

249.4829, 0.2932,  
0.3929

 12.0703, 0.2457,  
0.5295

300.1434, 0.2946,  
0.3888

 6.7916, 0.2259,  
0.5807


357.2358, 0.2957,


 3.3321, 0.1932,

0.3852

0.6653


421.1447, 0.2967,  
0.3820

 1.3075, 0.0000,  
1.0000

 0.1470, 0.0000,  
1.0000


 79.2064, 0.2823,  
0.4264


 79.2064, 0.2823,  
0.4264

 76.9008, 0.2790,  
0.4502


 82.0658, 0.2870,  
0.4035

 75.1264, 0.2773,  
0.4743

 85.5334, 0.2927,  
0.3822

 73.8312, 0.2775,  
0.4978

 89.6364, 0.2990,  
0.3626

 72.9602, 0.2795,  
0.5197

 94.4056, 0.3057,  
0.3450

 72.4336, 0.2830,  
0.5388

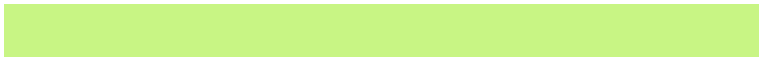
99.8698, 0.3126,  
0.3293

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.



79.2064, 0.3488, 0.4555



79.2064, 0.2823, 0.4264



79.2064, 0.2275, 0.3599

# Triad

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



79.2064, 0.2823, 0.4264



79.2064, 0.2175, 0.2241



79.2064, 0.4439, 0.3446

# Complementary

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



79.2064, 0.2823, 0.4264



40.8259, 0.3668, 0.2503

# 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.



79.2064, 0.4010, 0.2946



79.2064, 0.2823, 0.4264



79.2064, 0.2658, 0.2286

# Square

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



79.2064, 0.2823, 0.4264



79.2064, 0.1941, 0.2439



79.2064, 0.3329, 0.2537



79.2064, 0.4454, 0.3962



# Rectangle

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



79.2064, 0.2823, 0.4264



79.2064, 0.2042, 0.3121



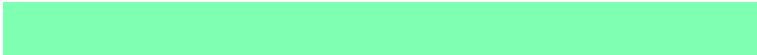
79.2064, 0.3329, 0.2537



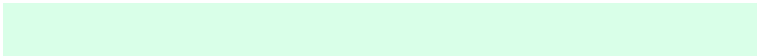
79.2064, 0.4338, 0.3274

# Sweetspot

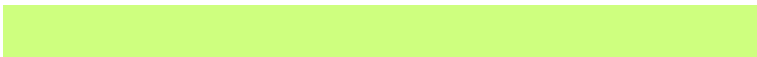
The Sweet Spot groups the original color and five complimentary colors.



79.2004, 0.2823, 0.4264



92.0426, 0.3025, 0.3532



86.1589, 0.3525, 0.4672



19.4883, 0.3011, 0.3569



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.



79.2004, 0.2823, 0.4264



76.9463, 0.2790, 0.4497



82.3214, 0.2534, 0.3462



20.2857, 0.3062, 0.3438



37.8753, 0.2822, 0.5358



3.7085, 0.2759, 0.5131



# Inverse Universe

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



40.8259, 0.3668, 0.2503



34.7120, 0.3824, 0.2376



38.3699, 0.4395, 0.3140



18.1730, 0.3198, 0.3146



12.3815, 0.4507, 0.2256

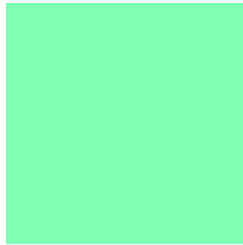


1.2270, 0.4318, 0.2152



# Previews

## White Background



This preview shows how the Yxy color 79.2064, 0.2823, 0.4264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

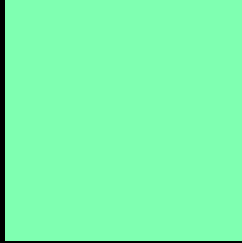
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.2064, 0.2823, 0.4264 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 79.2064, 0.2823, 0.4264**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.2064, 0.2823, 0.4264.

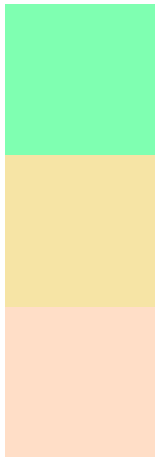


This preview shows how white text looks on a background with the Yxy color 79.2064, 0.2823, 0.4264.

# 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

79.2064, 0.2823, 0.4264

### Protanopia

77.7962, 0.3680, 0.3946

### Deuteranopia

77.6261, 0.3527, 0.3525



## Tritanopia

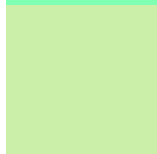
78.5388, 0.2651, 0.3123

# Trichromacy



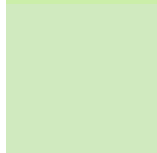
## Original Color

79.2064, 0.2823, 0.4264



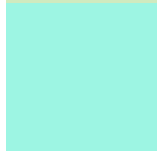
## Protanomaly

76.7102, 0.3315, 0.4077



## Deuteranomaly

76.0171, 0.3219, 0.3774



## Tritanomaly

78.0190, 0.2710, 0.3499

# Monochromacy



## Original Color

79.2064, 0.2823, 0.4264



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.4654, 0.2989, 0.3628

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.2064, 0.2823, 0.4264 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(127, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 177)  
}
```

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(127, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 79.2064, 0.2823, 0.4264 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(127, 255, 177) }
```

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

```
.border{ border-color:rgb(127, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 177);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.2064, 0.2823, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 177) }
```

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

```
.background{ background-color: rgb(127,  
255, 177) }
```

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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