

# Converting Colors

$Yxy(80.0530, 0.2865, 0.4238)$

Have a look what the booklet for  
Yxy(80.0530, 0.2865, 0.4238)  
contains.

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# Color

**Yxy(80.0527, 0.2865, 0.4238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89FFB2
RGB	137, 255, 178
RGB Percent	54%, 100%, 70%
CMY	0.4626, 0.0000, 0.3019
CMYK	0.46, 0.00, 0.30, 0.00
HSL	141°, 100%, 77%
HSV	141°, 46%, 100%
XYZ	54.1177, 80.0527, 54.7222
YIQ	210.9400, -45.6110, -48.9630

# Conversions

## Conversions Part 2

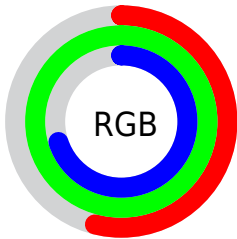
Format	Color
<a href="#">RYB</a>	<a href="#">137, 225, 255</a>
Decimal	<a href="#">9043890</a>
CIELab	<a href="#">91.71, -49.84, 26.69</a>
CIELCh	<a href="#">92, 56.541, 151.831</a>
Yxy	<a href="#">80.0527, 0.2865, 0.4238</a>
Android (android.graphics.Color)	<a href="#">4287233970 (0xFF89FFB2)</a>
YUV	<a href="#">210.9400, -16.2394, -64.8454</a>
Hunter-Lab	<a href="#">89.4722, -48.6096, 26.3681</a>

# Details

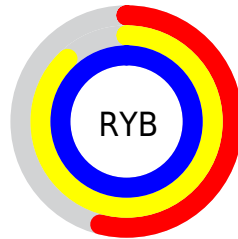
The Yxy color **80.0527, 0.2865, 0.4238** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.0197, 0.3558, 0.2512**, and the grayscale version is **65.2399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0626, 0.2886, 0.3515**, and **43.0329, 0.2789, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **77.5203, 0.2829, 0.4490**, and if you desaturate by 10%, it is **83.1821, 0.2912, 0.3998**.

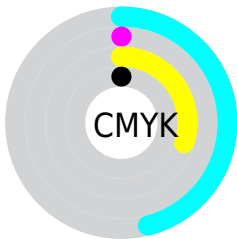
# Distribution



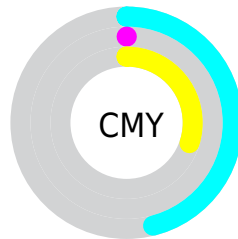
- Red (54%)
- Green (100%)
- Blue (70%)



- Red (54%)
- Yellow (88%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0527, 0.2865, 0.4238 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 80.0527, 0.2865, 0.4238 by changing the saturation by 10% instead.




 80.0527, 0.2865,  
0.4238

 80.0527, 0.2865,  
0.4238


495.1104, 0.2998,  
0.3780

 59.7617, 0.2832,  
0.4347


 133.4398, 0.2914,  
0.4075

 43.2266, 0.2789,  
0.4484


 167.3048, 0.2932,  
0.4013

 30.0630, 0.2732,  
0.4661


206.4631, 0.2947,  
0.3960

 19.8864, 0.2654,  
0.4898

251.2993, 0.2960,  
0.3914

 12.3125, 0.2541,  
0.5229

302.1978, 0.2972,  
0.3874

 6.9569, 0.2363,  
0.5718


359.5428, 0.2982,


 3.4351, 0.2063,


0.3839


0.6513


423.7189, 0.2990,  
0.3807


 1.3629, 0.0110,  
0.9890


 0.1891, 0.0000,  
1.0000


 80.0527, 0.2865,  
0.4238

 80.0527, 0.2865,  
0.4238

 77.5203, 0.2829,  
0.4490

 83.1821, 0.2912,  
0.3998

 75.5356, 0.2809,  
0.4747

 86.9341, 0.2967,  
0.3776

 74.0576, 0.2805,  
0.4998

 91.3447, 0.3026,  
0.3574

 73.0347, 0.2819,  
0.5233

 96.4445, 0.3088,  
0.3393

■ 72.4034, 0.2850,  
0.5440

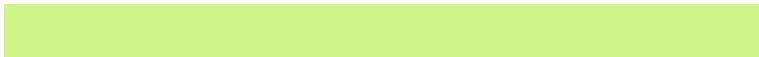
99.9994, 0.3127,  
0.3290

■ 72.2333, 0.2864,  
0.5510

# Harmonies

## Analogous

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



80.0527, 0.3504, 0.4500



80.0527, 0.2865, 0.4238



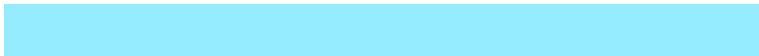
80.0527, 0.2329, 0.3617

# Triad

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



80.0527, 0.2865, 0.4238



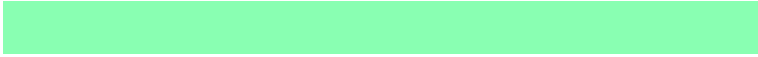
80.0527, 0.2197, 0.2284



80.0527, 0.4372, 0.3423

# Complementary

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



80.0527, 0.2865, 0.4238



44.0197, 0.3558, 0.2512

# 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.



80.0527, 0.3947, 0.2942



80.0527, 0.2865, 0.4238



80.0527, 0.2654, 0.2316

# Square

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



80.0527, 0.2865, 0.4238



80.0527, 0.1981, 0.2489



80.0527, 0.3293, 0.2551

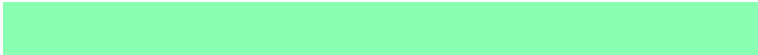


80.0527, 0.4407, 0.3921



# Rectangle

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



80.0527, 0.2865, 0.4238



80.0527, 0.2095, 0.3159



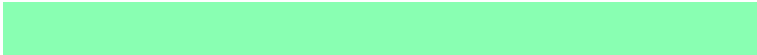
80.0527, 0.3293, 0.2551



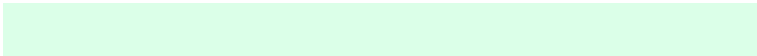
80.0527, 0.4269, 0.3257

# Sweetspot

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



80.0560, 0.2865, 0.4238



92.4357, 0.3040, 0.3531



87.8770, 0.3542, 0.4543



19.5619, 0.3027, 0.3572



0.0000, 0.0000, 0.0000

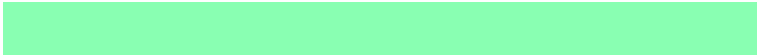


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0560, 0.2865, 0.4238



77.5792, 0.2830, 0.4484



82.8591, 0.2594, 0.3517



20.2723, 0.3068, 0.3449



37.7691, 0.2856, 0.5480



3.6971, 0.2792, 0.5252



# Inverse Universe

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



44.0197, 0.3558, 0.2512



37.3199, 0.3688, 0.2368



41.5872, 0.4177, 0.3088



18.1869, 0.3192, 0.3136



12.5851, 0.4332, 0.2160

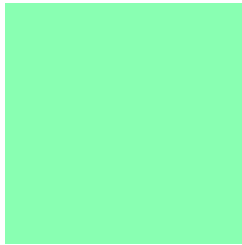


1.2460, 0.4170, 0.2071



# Previews

## White Background



This preview shows how the Yxy color 80.0527, 0.2865, 0.4238 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 80.0527, 0.2865, 0.4238 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 80.0527, 0.2865, 0.4238**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.0527, 0.2865, 0.4238.

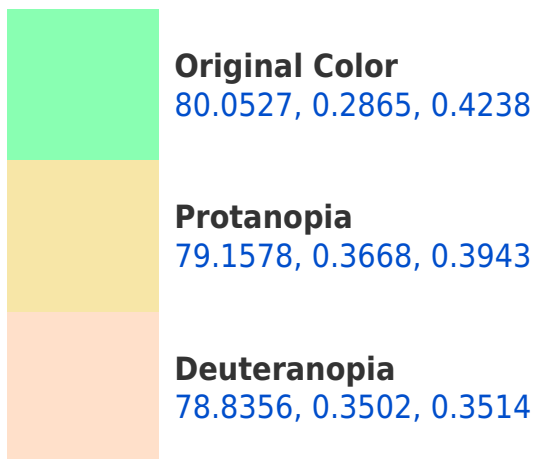


This preview shows how white text looks on a background with the Yxy color 80.0527, 0.2865, 0.4238.

# 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

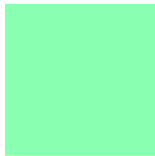




## Tritanopia

79.3639, 0.2688, 0.3125

# Trichromacy



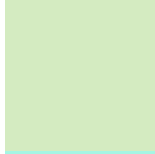
## Original Color

80.0527, 0.2865, 0.4238



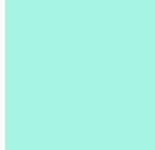
## Protanomaly

77.9387, 0.3329, 0.4057



## Deuteranomaly

77.2640, 0.3234, 0.3758



## Tritanomaly

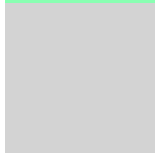
78.8502, 0.2751, 0.3497

# Monochromacy



## Original Color

80.0527, 0.2865, 0.4238



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

69.2520, 0.3010, 0.3623

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.0527, 0.2865, 0.4238 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(137, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 178)  
}
```

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(137, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 80.0527, 0.2865, 0.4238 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(137, 255, 178) }
```

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

```
.border{ border-color:rgb(137, 255, 178) }
```

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

Here you see how a box with a 4 pixel rgb(137, 255, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.0527, 0.2865, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 178) }
```

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

```
.background{ background-color: rgb(137,  
255, 178) }
```

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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