

# Converting Colors

$Y_{xy}(79.0335, 0.2742, 0.4140)$

Have a look what the booklet for  
Yxy(79.0335, 0.2742, 0.4140)  
contains.

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# Color

**Yxy(79.0298, 0.2742, 0.4140)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77FFBB
RGB	119, 255, 187
RGB Percent	47%, 100%, 73%
CMY	0.5332, 0.0000, 0.2666
CMYK	0.53, 0.00, 0.27, 0.00
HSL	150°, 100%, 73%
HSV	150°, 53%, 100%
XYZ	52.3429, 79.0298, 59.5205
YIQ	206.5840, -59.2280, -49.9800

# Conversions

## Conversions Part 2

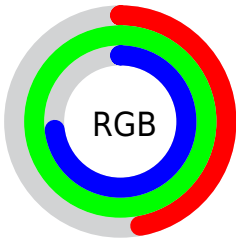
Format	Color
<a href="#">RYB</a>	<a href="#">119, 210, 255</a>
Decimal	<a href="#">7864251</a>
CIELab	<a href="#">91.25, -52.44, 21.38</a>
CIELCh	<a href="#">91, 56.630, 157.819</a>
Yxy	<a href="#">79.0298, 0.2742, 0.4140</a>
Android (android.graphics.Color)	<a href="#">4286054331 (0xFF77FFBB)</a>
YUV	<a href="#">206.5840, -9.6549, -76.8112</a>
Hunter-Lab	<a href="#">88.8987, -50.4732, 22.5326</a>

# Details

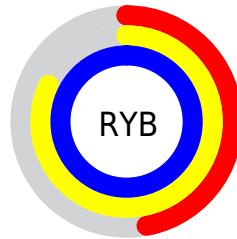
The Yxy color **79.0298, 0.2742, 0.4140** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **38.0517, 0.3885, 0.2602**, and the grayscale version is **62.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5748, 0.2754, 0.3420**, and **42.4106, 0.2639, 0.4348** is the 20% darker color. If you saturate the color by 10%, you get **76.9415, 0.2705, 0.4336**, and if you desaturate by 10%, it is **81.6569, 0.2795, 0.3952**.

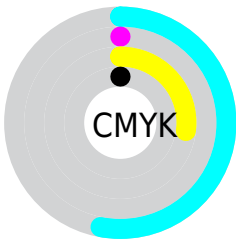
# Distribution



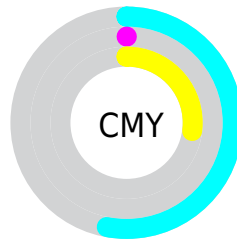
- Red (47%)
- Green (100%)
- Blue (73%)



- Red (47%)
- Yellow (82%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0298, 0.2742, 0.4140 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 79.0298, 0.2742, 0.4140 by changing the saturation by 10% instead.




 79.0298, 0.2742,  
0.4140


 79.0298, 0.2742,  
0.4140


491.6571, 0.2928,  
0.3729

 58.9203, 0.2697,  
0.4238


 132.0008, 0.2808,  
0.3994

 42.5490, 0.2641,  
0.4361


 165.6311, 0.2834,  
0.3939

 29.5314, 0.2569,  
0.4520


 204.5372, 0.2855,  
0.3891

 19.4832, 0.2472,  
0.4732

249.1033, 0.2874,  
0.3850

 12.0199, 0.2335,  
0.5031

299.7140, 0.2890,  
0.3814

 6.7573, 0.2131,  
0.5477


356.7536, 0.2904,


 3.3108, 0.1799,


0.3782


0.6198


420.6065, 0.2917,  
0.3754

 1.2960, 0.0000,  
1.0000


 0.1381, 0.0000,  
1.0000


 79.0298, 0.2742,  
0.4140


 79.0298, 0.2742,  
0.4140

 76.9415, 0.2705,  
0.4336


 81.6569, 0.2795,  
0.3952


 75.3415, 0.2686,  
0.4535


 84.8497, 0.2861,  
0.3775


 74.1858, 0.2688,  
0.4732

 88.6446, 0.2935,  
0.3612

 73.4172, 0.2710,  
0.4921

 93.0721, 0.3016,  
0.3464

 73.0649, 0.2734,  
0.5041

 98.1605, 0.3099,  
0.3331

99.9994, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.0298, 0.3378, 0.4492



79.0298, 0.2742, 0.4140



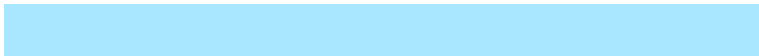
79.0298, 0.2242, 0.3478

# Triad

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



79.0298, 0.2742, 0.4140



79.0298, 0.2265, 0.2268



79.0298, 0.4419, 0.3524

# Complementary

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



79.0298, 0.2742, 0.4140



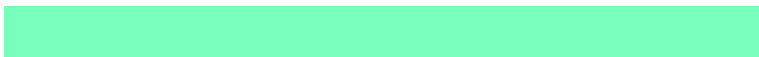
38.0517, 0.3885, 0.2602

# 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.



79.0298, 0.4063, 0.3032



79.0298, 0.2742, 0.4140



79.0298, 0.2768, 0.2344

# Square

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



79.0298, 0.2742, 0.4140



79.0298, 0.1998, 0.2423



79.0298, 0.3431, 0.2615



79.0298, 0.4374, 0.4018



# Rectangle

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



79.0298, 0.2742, 0.4140



79.0298, 0.2042, 0.3031



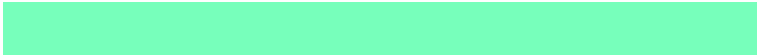
79.0298, 0.3431, 0.2615



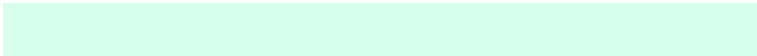
79.0298, 0.4343, 0.3356

# Sweetspot

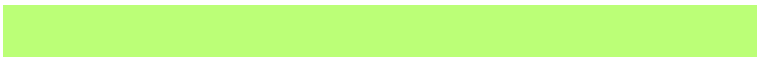
The Sweet Spot groups the original color and five complimentary colors.



79.0330, 0.2742, 0.4140



91.8214, 0.2994, 0.3502



83.4195, 0.3436, 0.4810



19.4548, 0.2977, 0.3532



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.



79.0330, 0.2742, 0.4140



76.8178, 0.2703, 0.4350



82.6641, 0.2443, 0.3288



20.3197, 0.3047, 0.3411



38.2084, 0.2725, 0.5011



3.7423, 0.2668, 0.4803



# Inverse Universe

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



38.0517, 0.3885, 0.2602



31.9122, 0.4123, 0.2500



35.7960, 0.4710, 0.3295



18.1386, 0.3215, 0.3172



11.9464, 0.4964, 0.2508

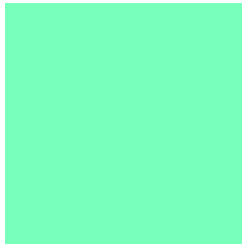


1.1852, 0.4710, 0.2368



# Previews

## White Background



This preview shows how the Yxy color 79.0298, 0.2742, 0.4140 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 79.0298, 0.2742, 0.4140 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

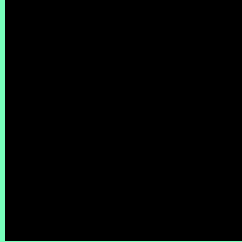
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.0298, 0.2742, 0.4140**

## Background



This preview shows how black text looks on a background with the Yxy color 79.0298, 0.2742, 0.4140.

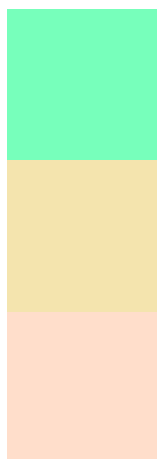


This preview shows how white text looks on a background with the Yxy color 79.0298, 0.2742, 0.4140.

# 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

79.0298, 0.2742, 0.4140

### Protanopia

77.7759, 0.3604, 0.3856

### Deuteranopia

77.8143, 0.3498, 0.3484



## Tritanopia

78.1981, 0.2636, 0.3123

# Trichromacy



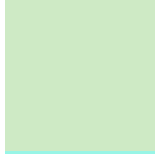
## Original Color

79.0298, 0.2742, 0.4140



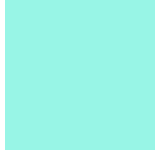
## Protanomaly

76.5459, 0.3227, 0.3967



## Deuteranomaly

75.9987, 0.3168, 0.3707



## Tritanomaly

77.6934, 0.2670, 0.3464

# Monochromacy



## Original Color

79.0298, 0.2742, 0.4140



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.5954, 0.2945, 0.3581

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0298, 0.2742, 0.4140 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(119, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 187)  
}
```

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(119, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0298, 0.2742, 0.4140 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(119, 255, 187) }
```

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

```
.border{ border-color:rgb(119, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 255, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 255, 187); box-shadow:4px 4px 4px 4px rgb(119, 255, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0298, 0.2742, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 187) }
```

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

```
.background{ background-color: rgb(119,  
255, 187) }
```

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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