

# Converting Colors

$Yxy(87.4933, 0.2739, 0.4227)$

Have a look what the booklet for  
Yxy(87.4933, 0.2739, 0.4227)  
contains.

<b>Yxy(79.0196, 0.2720, 0.4102)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(79.0196, 0.2720, 0.4102)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75FFBE
RGB	117, 255, 190
RGB Percent	46%, 100%, 75%
CMY	0.5410, 0.0000, 0.2548
CMYK	0.54, 0.00, 0.25, 0.00
HSL	152°, 100%, 73%
HSV	152°, 54%, 100%
XYZ	52.3972, 79.0196, 61.2200
YIQ	206.3280, -61.3830, -49.4710

# Conversions

## Conversions Part 2

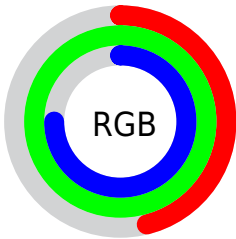
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">117, 207, 255</a>
Decimal	<a href="#">7733182</a>
CIELab	<a href="#">91.24, -52.28, 19.83</a>
CIELCh	<a href="#">91, 55.912, 159.228</a>
Yxy	<a href="#">79.0196, 0.2720, 0.4102</a>
Android (android.graphics.Color)	<a href="#">4285923262</a> ( <a href="#">0xFF75FFBE</a> )
YUV	<a href="#">206.3280, -8.0497, -78.3407</a>
Hunter-Lab	<a href="#">88.8930, -50.3474, 21.3925</a>

# Details

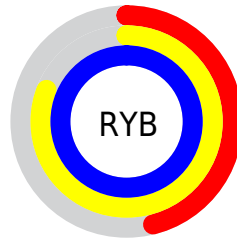
The Yxy color **79.0196, 0.2720, 0.4102** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.3721, 0.3949, 0.2633**, and the grayscale version is **62.0353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5209, 0.2729, 0.3387**, and **42.3630, 0.2616, 0.4316** is the 20% darker color. If you saturate the color by 10%, you get **76.9858, 0.2682, 0.4286**, and if you desaturate by 10%, it is **81.5841, 0.2775, 0.3925**.

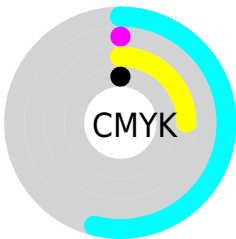
# Distribution



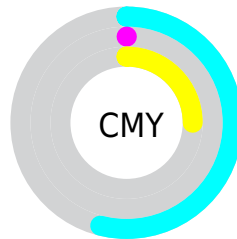
- Red (46%)
- Green (100%)
- Blue (75%)



- Red (46%)
- Yellow (81%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0196, 0.2720, 0.4102 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 79.0196, 0.2720, 0.4102 by changing the saturation by 10% instead.




 79.0196, 0.2720,  
0.4102

 79.0196, 0.2720,  
0.4102


491.6226, 0.2915,  
0.3711


 58.9119, 0.2674,  
0.4195


 131.9865, 0.2789,  
0.3963

 42.5422, 0.2616,  
0.4312


 165.6144, 0.2816,  
0.3910

 29.5261, 0.2541,  
0.4463


 204.5179, 0.2838,  
0.3865

 19.4792, 0.2441,  
0.4665

249.0814, 0.2858,  
0.3826

 12.0170, 0.2302,  
0.4948

299.6892, 0.2875,  
0.3791

 6.7553, 0.2096,  
0.5371


356.7258, 0.2890,


 3.3095, 0.1765,


0.3761


0.6057

420.5754, 0.2903,  
0.3734

 1.2954, 0.0000,  
1.0000


 0.1376, 0.0000,  
1.0000


 79.0196, 0.2720,  
0.4102


 79.0196, 0.2720,  
0.4102


 76.9858, 0.2682,  
0.4286


 81.5841, 0.2775,  
0.3925


 75.4320, 0.2663,  
0.4474


 84.7062, 0.2842,  
0.3758


 74.3138, 0.2664,  
0.4660

 88.4224, 0.2920,  
0.3604

 73.5731, 0.2686,  
0.4839

 92.7632, 0.3003,  
0.3464

 73.2649, 0.2706,  
0.4940

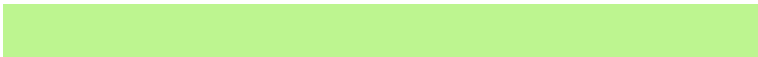
 97.7569, 0.3091,  
0.3338

99.9985, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.0196, 0.3346, 0.4469



79.0196, 0.2720, 0.4102



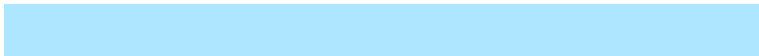
79.0196, 0.2235, 0.3443

# Triad

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



79.0196, 0.2720, 0.4102



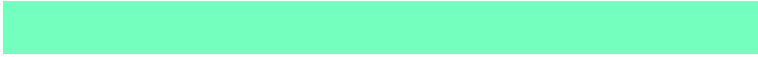
79.0196, 0.2293, 0.2278



79.0196, 0.4410, 0.3547

# Complementary

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



79.0196, 0.2720, 0.4102



37.3721, 0.3949, 0.2633

# 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.



79.0196, 0.4076, 0.3057



79.0196, 0.2720, 0.4102



79.0196, 0.2801, 0.2362

# Square

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



79.0196, 0.2720, 0.4102



79.0196, 0.2017, 0.2420



79.0196, 0.3460, 0.2639

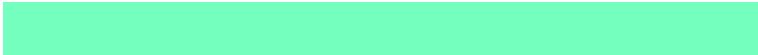


79.0196, 0.4347, 0.4032



# Rectangle

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



79.0196, 0.2720, 0.4102



79.0196, 0.2045, 0.3007



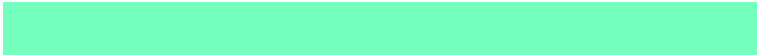
79.0196, 0.3460, 0.2639



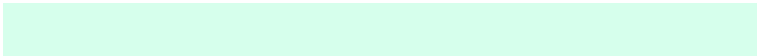
79.0196, 0.4341, 0.3380

# Sweetspot

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



79.0228, 0.2720, 0.4102



91.8898, 0.2987, 0.3490



82.9605, 0.3423, 0.4840



19.4711, 0.2970, 0.3518



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.



79.0228, 0.2720, 0.4102



76.8280, 0.2679, 0.4303



81.0656, 0.2431, 0.3261



20.3288, 0.3043, 0.3404



38.3138, 0.2698, 0.4912



3.7526, 0.2642, 0.4713



# Inverse Universe

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



37.3721, 0.3949, 0.2633



31.2481, 0.4211, 0.2538



35.8220, 0.4732, 0.3317



18.1295, 0.3220, 0.3179



11.8483, 0.5088, 0.2576

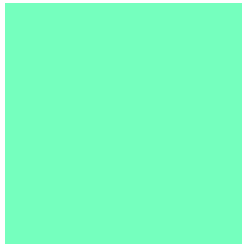


1.1755, 0.4818, 0.2428



# Previews

## White Background



This preview shows how the Yxy color 79.0196, 0.2720, 0.4102 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

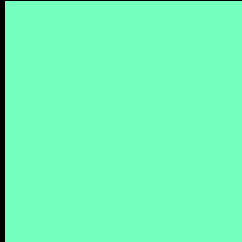
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0196, 0.2720, 0.4102 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

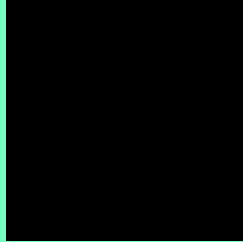
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

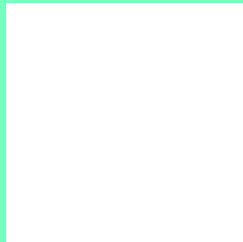
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.0196, 0.2720, 0.4102**

## Background



This preview shows how black text looks on a background with the Yxy color 79.0196, 0.2720, 0.4102.



This preview shows how white text looks on a background with the Yxy color 79.0196, 0.2720, 0.4102.

# 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

79.0196, 0.2720, 0.4102

### Protanopia

77.7158, 0.3576, 0.3826

### Deuteranopia

77.3325, 0.3493, 0.3464



## Tritanopia

78.1981, 0.2636, 0.3123

# Trichromacy



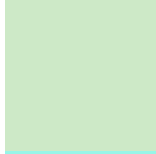
## Original Color

79.0196, 0.2720, 0.4102



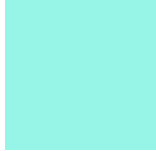
## Protanomaly

76.3968, 0.3195, 0.3934



## Deuteranomaly

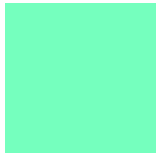
75.3805, 0.3150, 0.3674



## Tritanomaly

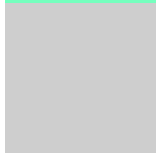
77.6536, 0.2660, 0.3452

# Monochromacy



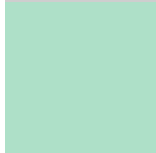
## Original Color

79.0196, 0.2720, 0.4102



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

66.4801, 0.2938, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0196, 0.2720, 0.4102 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(117, 255, 190)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 190)  
}
```

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(117, 255, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0196, 0.2720, 0.4102 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(117, 255, 190) }
```

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

```
.border{ border-color:rgb(117, 255, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 190);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0196, 0.2720, 0.4102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 190) }
```

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

```
.background{ background-color: rgb(117,  
255, 190) }
```

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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