

# Converting Colors

$Y_{xy}(77.3471, 0.2661, 0.3854)$

Have a look what the booklet for  
Yxy(77.3471, 0.2661, 0.3854)  
contains.

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# Color

**Yxy(77.5397, 0.2664, 0.3858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AFBCD
RGB	122, 251, 205
RGB Percent	48%, 98%, 80%
CMY	0.5216, 0.0157, 0.1961
CMYK	0.51, 0.00, 0.18, 0.02
HSL	159°, 94%, 73%
HSV	159°, 51%, 98%
XYZ	53.5422, 77.5397, 69.9023
YIQ	207.1850, -62.1180, -41.6540

# Conversions

## Conversions Part 2

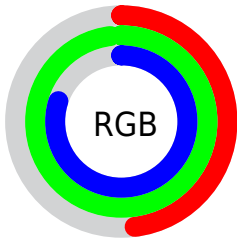
<b>Format</b>	<b>Color</b>
<b>RYB</b>	122, 200, 251
Decimal	8059853
CIELab	90.57, -46.41, 11.21
CIELCh	91, 47.743, 166.424
Yxy	77.5397, 0.2664, 0.3858
Android (android.graphics.Color)	4286249933 (0xFF7AFBCD)
YUV	207.1850, -1.0772, -74.7072
Hunter-Lab	88.0566, -45.5635, 14.5733

# Details

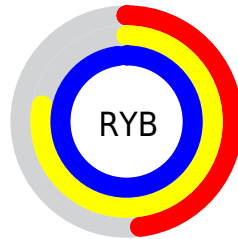
The Yxy color **77.5397, 0.2664, 0.3858** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.2562, 0.4062, 0.2812**, and the grayscale version is **62.5607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **41.7175, 0.2553, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **75.5211, 0.2611, 0.3993**, and if you desaturate by 10%, it is **80.0623, 0.2733, 0.3729**.

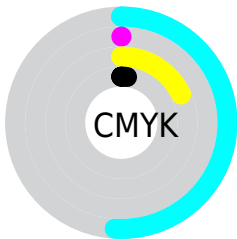
# Distribution



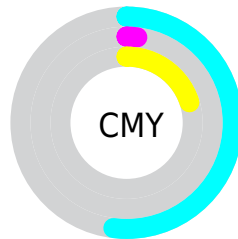
- Red (48%)
- Green (98%)
- Blue (80%)



- Red (48%)
- Yellow (78%)
- Blue (98%)



- Cyan (51%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (52%)
- Magenta (2%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.5397, 0.2664, 0.3858 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 77.5397, 0.2664, 0.3858 by changing the saturation by 10% instead.




 77.5397, 0.2664,  
0.3858


 77.5397, 0.2664,  
0.3858


486.6022, 0.2880,  
0.3588

 57.6959, 0.2614,  
0.3921


 129.9010, 0.2739,  
0.3763

 41.5642, 0.2553,  
0.4001

 163.1874, 0.2768,  
0.3726

 28.7602, 0.2475,  
0.4102


 201.7234, 0.2794,  
0.3695

 18.8995, 0.2372,  
0.4238

245.8935, 0.2815,  
0.3668

 11.5977, 0.2233,  
0.4426

296.0820, 0.2835,  
0.3644

 6.4704, 0.2032,  
0.4705


352.6734, 0.2851,


 3.1331, 0.1722,


0.3623

0.5157


416.0520, 0.2867,  
0.3605


 1.2016, 0.0000,  
0.7101


 0.0630, 0.0000,  
1.0000


 77.5397, 0.2664,  
0.3858


 77.5397, 0.2664,  
0.3858

 75.5211, 0.2611,  
0.3993


 80.0623, 0.2733,  
0.3729


 73.9596, 0.2577,  
0.4132

 83.1132, 0.2816,  
0.3608

 72.8150, 0.2564,  
0.4271

 86.7263, 0.2909,  
0.3496

 72.0355, 0.2571,  
0.4410

 90.9296, 0.3008,  
0.3394

 71.5882, 0.2591,  
0.4526

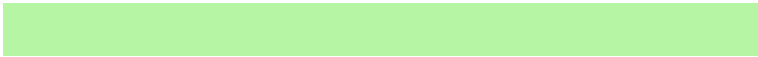
 95.7497, 0.3112,  
0.3302

 97.4774, 0.3129,  
0.3252

# Harmonies

## Analogous

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



77.5397, 0.3193, 0.4248



77.5397, 0.2664, 0.3858



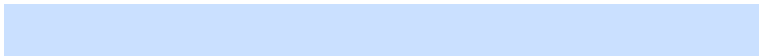
77.5397, 0.2281, 0.3289

# Triad

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



77.5397, 0.2664, 0.3858



77.5397, 0.2493, 0.2404



77.5397, 0.4250, 0.3634

# Complementary

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



77.5397, 0.2664, 0.3858



37.2562, 0.4062, 0.2812

# 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.



77.5397, 0.4038, 0.3195



77.5397, 0.2664, 0.3858



77.5397, 0.2979, 0.2521

# Square

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



77.5397, 0.2664, 0.3858



77.5397, 0.2194, 0.2486



77.5397, 0.3555, 0.2802



77.5397, 0.4126, 0.4038



# Rectangle

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



77.5397, 0.2664, 0.3858



77.5397, 0.2147, 0.2936



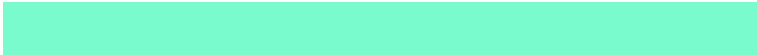
77.5397, 0.3555, 0.2802



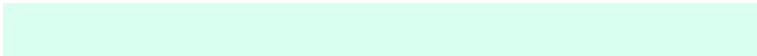
77.5397, 0.4217, 0.3487

# Sweetspot

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



77.5428, 0.2664, 0.3858



92.6059, 0.2972, 0.3430



78.8709, 0.3318, 0.4807



19.6238, 0.2951, 0.3452



0.0000, 0.0000, 0.0000

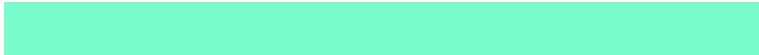


21.4041, 0.3127, 0.3290



# Same Dimension

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



77.5428, 0.2664, 0.3858



78.1619, 0.2608, 0.4002



69.8370, 0.2420, 0.3083



19.4973, 0.3028, 0.3376



37.6568, 0.2584, 0.4503



3.5079, 0.2539, 0.4341



# Inverse Universe

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



37.2562, 0.4062, 0.2812



32.1000, 0.4378, 0.2741



40.4384, 0.4514, 0.3473



17.3275, 0.3238, 0.3206



11.1892, 0.5555, 0.2834

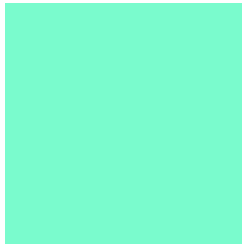


1.0557, 0.5226, 0.2653



# Previews

## White Background



This preview shows how the Yxy color 77.5397, 0.2664, 0.3858 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

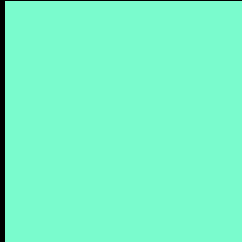
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.5397, 0.2664, 0.3858 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

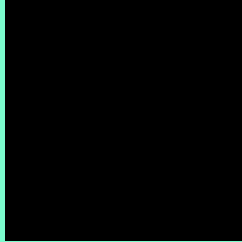
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

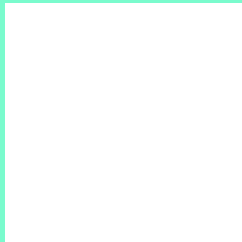
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.5397, 0.2664, 0.3858**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.5397, 0.2664, 0.3858.

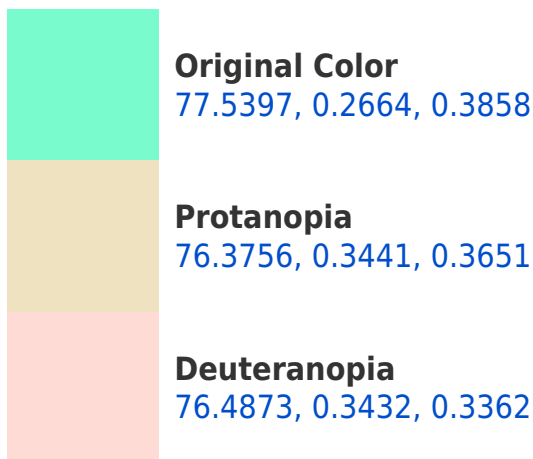


This preview shows how white text looks on a background with the Yxy color 77.5397, 0.2664, 0.3858.

# 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

76.8455, 0.2599, 0.3110

# Trichromacy



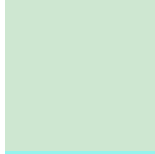
## Original Color

77.5397, 0.2664, 0.3858



## Protanomaly

75.1836, 0.3100, 0.3726



## Deuteranomaly

74.8771, 0.3095, 0.3536



## Tritanomaly

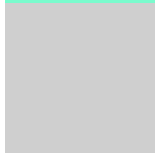
76.6052, 0.2619, 0.3358

# Monochromacy



## Original Color

77.5397, 0.2664, 0.3858



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.4617, 0.2915, 0.3494

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.5397, 0.2664, 0.3858 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(122, 251, 205)` looks like.

```
.text, #text, p{  
    color:rgb(122, 251, 205)  
}
```

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(122, 251, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 251, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 77.5397, 0.2664, 0.3858 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(122, 251, 205) }
```

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

```
.border{ border-color:rgb(122, 251, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 251, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 251, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 251, 205); box-shadow:4px 4px 4px 4px rgb(122, 251, 205) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.5397, 0.2664, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 251, 205) }
```

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

```
.background{ background-color: rgb(122,  
251, 205) }
```

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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