

# Converting Colors

$Yxy(95.1094, 0.2528, 0.4417)$

Have a look what the booklet for  
Yxy(95.1094, 0.2528, 0.4417)  
contains.

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# Color

**Yxy(75.3703, 0.2475, 0.4110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFC1
RGB	0, 255, 193
RGB Percent	0%, 100%, 76%
CMY	1.0000, 0.0000, 0.2430
CMYK	1.00, 0.00, 0.24, 0.00
HSL	165°, 100%, 50%
HSV	165°, 100%, 100%
XYZ	45.3872, 75.3703, 62.6252
YIQ	171.6870, -132.0780, -73.3420

# Conversions

## Conversions Part 2

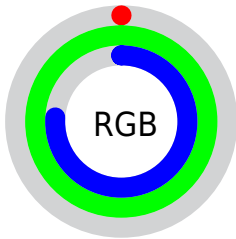
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 145, 255
Decimal	65473
CIELab	89.57, -64.21, 15.68
CIELCh	90, 66.102, 166.274
Yxy	75.3703, 0.2475, 0.4110
Android (android.graphics.Color)	4278255553 (0xFF00FC1)
YUV	171.6870, 10.5073, -150.5695
Hunter-Lab	86.8161, -58.6088, 18.0021

# Details

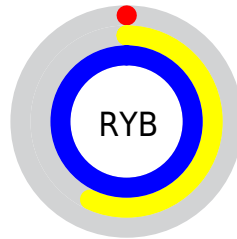
The Yxy color **75.3703, 0.2475, 0.4110** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.6075, 0.5997, 0.3077**, and the grayscale version is **41.0860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1351, 0.2453, 0.3346**, and **41.7966, 0.2523, 0.4282** is the 20% darker color. If you saturate the color by 10%, you get **75.3717, 0.2475, 0.4110**, and if you desaturate by 10%, it is **75.8672, 0.2464, 0.4020**.

# Distribution



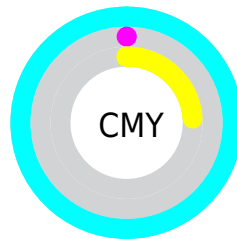
- Red (0%)
- Green (100%)
- Blue (76%)



- Red (0%)
- Yellow (57%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3703, 0.2475, 0.4110 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 75.3703, 0.2475, 0.4110 by changing the saturation by 10% instead.




 75.3703, 0.2475,  
0.4110


 75.3703, 0.2475,  
0.4110

479.1894, 0.2782,  
0.3713

 55.9163, 0.2404,  
0.4205


 126.8364, 0.2583,  
0.3969


 40.1358, 0.2315,  
0.4324


 159.6173, 0.2624,  
0.3915


 27.6445, 0.2203,  
0.4478


 197.6093, 0.2660,  
0.3869

 18.0578, 0.2055,  
0.4686

 241.1968, 0.2691,  
0.3829

 10.9915, 0.1854,  
0.4976

 290.7641, 0.2718,  
0.3795

 6.0611, 0.1568,  
0.5411


346.6957, 0.2742,

 2.8823, 0.1053,


0.3764

0.6176


409.3760, 0.2763,  
0.3737

 1.0706, 0.0000,  
0.9498

 0.0000, 0.0000,  
0.0000


 75.3703, 0.2475,  
0.4110

 75.3703, 0.2475,  
0.4110

 75.3717, 0.2475,  
0.4110


 75.8672, 0.2464,  
0.4020


 76.6522, 0.2470,  
0.3928


 77.8115, 0.2496,  
0.3837

 79.3973, 0.2542,  
0.3746

 81.4532, 0.2606,  
0.3658

 84.0174, 0.2688,  
0.3573

 87.1242, 0.2784,  
0.3494

 90.8047, 0.2891,  
0.3420

 95.0877, 0.3007,  
0.3352

# Harmonies

## Analogous

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



75.3703, 0.3186, 0.4675



75.3703, 0.2475, 0.4110



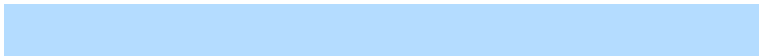
75.3703, 0.1978, 0.3266

# Triad

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



75.3703, 0.2475, 0.4110



75.3703, 0.2259, 0.2109



75.3703, 0.4685, 0.3699

# Complementary

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



75.3703, 0.2475, 0.4110



21.6075, 0.5997, 0.3077

# 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.



75.3703, 0.4401, 0.3130



75.3703, 0.2475, 0.4110



75.3703, 0.2905, 0.2265

# Square

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



75.3703, 0.2475, 0.4110



75.3703, 0.1880, 0.2197



75.3703, 0.3709, 0.2626



75.3703, 0.4482, 0.4260



# Rectangle

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



75.3703, 0.2475, 0.4110



75.3703, 0.1814, 0.2773



75.3703, 0.3709, 0.2626



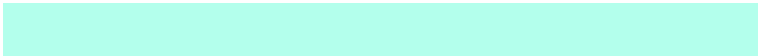
75.3703, 0.4646, 0.3506

# Sweetspot

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



75.3717, 0.2475, 0.4110



87.1242, 0.2784, 0.3494



72.6016, 0.3091, 0.5928



18.3532, 0.2742, 0.3526



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.



75.3717, 0.2475, 0.4110



44.5907, 0.2012, 0.2442



20.4016, 0.3013, 0.3348



39.4081, 0.2471, 0.4095



3.8542, 0.2442, 0.3991

# Inverse Universe

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



21.6075, 0.5997, 0.3077



24.8987, 0.6108, 0.3532



18.0594, 0.3256, 0.3232



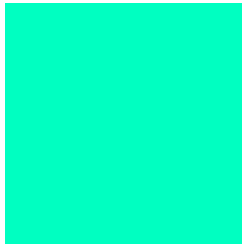
11.3098, 0.5957, 0.3055



1.1175, 0.5644, 0.2883

# Previews

## White Background



This preview shows how the Yxy color 75.3703, 0.2475, 0.4110 looks on a white background.

## Color Contrast Check

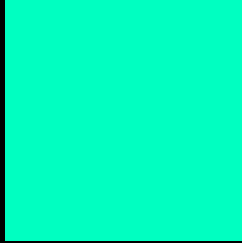
Large Text (above 18pt) WCAG AA × Fail

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 75.3703, 0.2475, 0.4110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

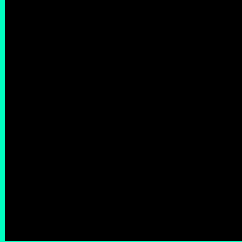
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

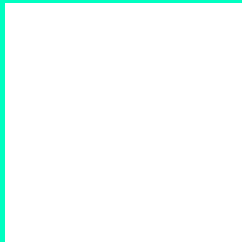
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.3703, 0.2475, 0.4110**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3703, 0.2475, 0.4110.



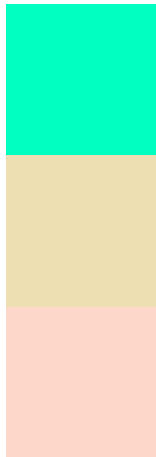
This preview shows how white text looks on a background with the Yxy color 75.3703, 0.2475, 0.4110.



# 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

75.3703, 0.2475, 0.4110

### Protanopia

73.9542, 0.3544, 0.3784

### Deuteranopia

73.5606, 0.3497, 0.3425



## Tritanopia

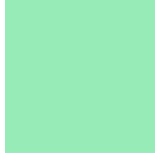
74.8585, 0.2477, 0.3115

# Trichromacy



## Original Color

75.3703, 0.2475, 0.4110



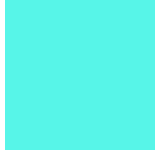
## Protanomaly

69.4149, 0.2900, 0.3945



## Deuteranomaly

68.1907, 0.2860, 0.3672



## Tritanomaly

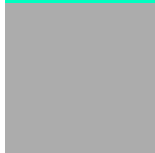
73.1572, 0.2412, 0.3450

# Monochromacy



## Original Color

75.3703, 0.2475, 0.4110



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

48.7876, 0.2639, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  75.3703, 0.2475, 0.4110 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(0, 255, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 193)  
}
```

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(0, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 193) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3703, 0.2475, 0.4110 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(0, 255, 193) }
```

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

```
.border{ border-color:rgb(0, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
193) }
```

# Background

The CSS property to change the background color of an element to Yxy 75.3703, 0.2475, 0.4110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 193) }
```

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

```
.background{ background-color: rgb(0, 255,  
193) }
```

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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