

# Converting Colors

$Yxy(77.3244, 0.1977, 0.4136)$

Have a look what the booklet for  
Yxy(77.3244, 0.1977, 0.4136)  
contains.

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# Color

**Yxy(76.0741, 0.2417, 0.3899)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01FFD0
RGB	1, 255, 208
RGB Percent	0%, 100%, 82%
CMY	0.9946, 0.0000, 0.1843
CMYK	0.99, 0.00, 0.18, 0.00
HSL	169°, 100%, 50%
HSV	169°, 99%, 100%
XYZ	47.1585, 76.0741, 71.8792
YIQ	173.6960, -136.2970, -68.4650

# Conversions

## Conversions Part 2

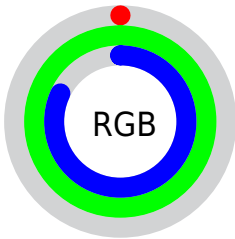
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 141, 255
Decimal	131024
CIELab	89.89, -60.61, 8.43
CIELCh	90, 61.190, 172.081
Yxy	76.0741, 0.2417, 0.3899
Android (android.graphics.Color)	4278321104 (0xFF01FFD0)
YUV	173.6960, 16.9119, -151.4544
Hunter-Lab	87.2205, -56.1241, 12.1929

# Details

The Yxy color **76.0741, 0.2417, 0.3899** 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 **21.5044, 0.6139, 0.3159**, and the grayscale version is **42.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.2656, 0.2447, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **76.0556, 0.2417, 0.3903**, and if you desaturate by 10%, it is **76.5355, 0.2412, 0.3832**.

# Distribution



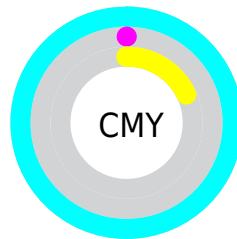
- Red (0%)
- Green (100%)
- Blue (82%)



- Red (0%)
- Yellow (55%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (99%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0741, 0.2417, 0.3899 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 76.0741, 0.2417, 0.3899 by changing the saturation by 10% instead.





 76.0741, 0.2417,  
0.3899

 76.0741, 0.2417,  
0.3899


481.6013, 0.2745,  
0.3611

 56.4933, 0.2343,  
0.3966


 127.8316, 0.2530,  
0.3798


 40.5985, 0.2251,  
0.4050


 160.7772, 0.2574,  
0.3759

 28.0055, 0.2137,  
0.4157


 198.9463, 0.2613,  
0.3725

 18.3298, 0.1988,  
0.4298

 242.7236, 0.2646,  
0.3696

 11.1870, 0.1790,  
0.4493

 292.4933, 0.2675,  
0.3671

 6.1928, 0.1515,  
0.4776


348.6399, 0.2701,

 2.9627, 0.1085,


0.3649


0.5239


411.5478, 0.2724,  
0.3629


 1.1123, 0.0000,  
0.6484


 0.0000, 0.0000,  
0.0000


 76.0741, 0.2417,  
0.3899


 76.0741, 0.2417,  
0.3899


 76.0556, 0.2417,  
0.3903

 76.5355, 0.2412,  
0.3832


 77.2872, 0.2424,  
0.3764


 78.4116, 0.2456,  
0.3696


 79.9601, 0.2507,  
0.3629

 81.9758, 0.2578,  
0.3563

 84.4967, 0.2666,  
0.3500

 87.5568, 0.2768,  
0.3441

 91.1869, 0.2882,  
0.3385

 95.4156, 0.3005,  
0.3334

# Harmonies

## Analogous

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



76.0741, 0.3055, 0.4495



76.0741, 0.2417, 0.3899



76.0741, 0.2000, 0.3132

# Triad

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



76.0741, 0.2417, 0.3899



76.0741, 0.2420, 0.2197



76.0741, 0.4568, 0.3790

# Complementary

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



76.0741, 0.2417, 0.3899



21.5044, 0.6139, 0.3159

# 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.



76.0741, 0.4388, 0.3249



76.0741, 0.2417, 0.3899



76.0741, 0.3063, 0.2384

# Square

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



76.0741, 0.2417, 0.3899



76.0741, 0.2010, 0.2236



76.0741, 0.3808, 0.2756



76.0741, 0.4312, 0.4294



# Rectangle

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



76.0741, 0.2417, 0.3899



76.0741, 0.1879, 0.2707



76.0741, 0.3808, 0.2756



76.0741, 0.4559, 0.3609

# Sweetspot

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



76.0770, 0.2417, 0.3899



87.3849, 0.2762, 0.3444



72.2493, 0.3062, 0.5948



18.4160, 0.2718, 0.3469



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.



76.0770, 0.2417, 0.3899



76.0625, 0.2417, 0.3903



39.4310, 0.1964, 0.2266



20.4203, 0.3005, 0.3334



39.7651, 0.2414, 0.3891



3.8861, 0.2393, 0.3815



# Inverse Universe

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



21.5044, 0.6139, 0.3159



21.4671, 0.6152, 0.3162



26.6337, 0.5983, 0.3627



18.0420, 0.3265, 0.3246



11.2327, 0.6118, 0.3144

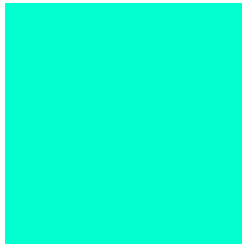


1.1077, 0.5827, 0.2984



# Previews

## White Background



This preview shows how the Yxy color 76.0741, 0.2417, 0.3899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

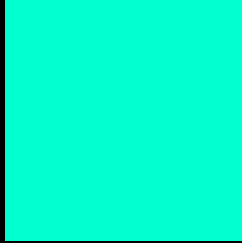
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0741, 0.2417, 0.3899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

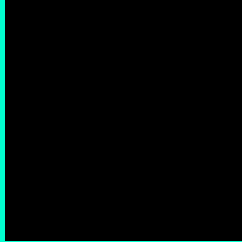
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.0741, 0.2417, 0.3899**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0741, 0.2417, 0.3899.



This preview shows how white text looks on a background with the Yxy color 76.0741, 0.2417, 0.3899.

# Color Blindness Simulation

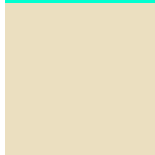
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



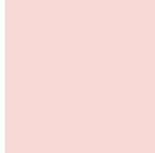
### Original Color

76.0805, 0.2417, 0.3899



### Protanopia

74.2433, 0.3424, 0.3623



### Deuteranopia

74.5400, 0.3362, 0.3301



## Tritanopia

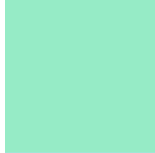
75.2029, 0.2494, 0.3116

# Trichromacy



## Original Color

76.0805, 0.2417, 0.3899



## Protanomaly

69.9779, 0.2812, 0.3750



## Deuteranomaly

69.2250, 0.2771, 0.3508



## Tritanomaly

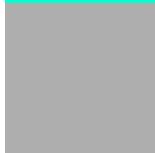
73.6515, 0.2396, 0.3374

# Monochromacy



## Original Color

76.0805, 0.2417, 0.3899



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

49.6365, 0.2617, 0.3533

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.0741, 0.2417, 0.3899 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(1, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 208)  
}
```

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(1, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0741, 0.2417, 0.3899 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(1, 255, 208) }
```

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

```
.border{ border-color:rgb(1, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0741, 0.2417, 0.3899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 208) }
```

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

```
.background{ background-color: rgb(1, 255,  
208) }
```

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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