

# Converting Colors

$Y_{xy}(100.0000, 0.2304, 0.4316)$

Have a look what the booklet for  
Yxy(100.0000, 0.2304, 0.4316)  
contains.

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# Color

**Yxy(76.2231, 0.2405, 0.3858)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFD3
RGB	0, 255, 211
RGB Percent	0%, 100%, 83%
CMY	1.0000, 0.0000, 0.1726
CMYK	1.00, 0.00, 0.17, 0.00
HSL	170°, 100%, 50%
HSV	170°, 100%, 100%
XYZ	47.5160, 76.2231, 73.8325
YIQ	173.7390, -137.8560, -67.7440

# Conversions

## Conversions Part 2

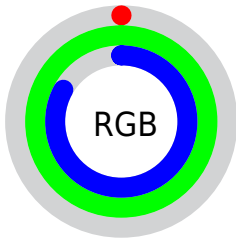
Format	Color
<a href="#">RYB</a>	0, 140, 255
Decimal	65491
CIELab	89.96, -59.91, 6.99
CIELCh	90, 60.313, 173.348
Yxy	76.2231, 0.2405, 0.3858
Android (android.graphics.Color)	4278255571 (0xFF00FFD3)
YUV	173.7390, 18.3697, -152.3691
Hunter-Lab	87.3058, -55.6371, 10.9739

# Details

The Yxy color **76.2231, 0.2405, 0.3858** 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 **21.4419, 0.6181, 0.3178**, and the grayscale version is **42.1431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.2230, 0.2405, 0.3858**, and if you desaturate by 10%, it is **76.6598, 0.2401, 0.3796**.

# Distribution



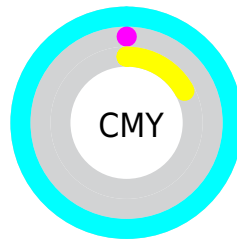
- Red (0%)
- Green (100%)
- Blue (83%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2231, 0.2405, 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 76.2231, 0.2405, 0.3858 by changing the saturation by 10% instead.



 76.2231, 0.2405,  
0.3858

 76.2231, 0.2405,  
0.3858


482.1111, 0.2737,  
0.3591

 56.6155, 0.2330,  
0.3920

 128.0422, 0.2520,  
0.3765

 40.6966, 0.2238,  
0.3997


 161.0225, 0.2564,  
0.3728


 28.0821, 0.2123,  
0.4095


 199.2291, 0.2603,  
0.3697

 18.3875, 0.1974,  
0.4224

 243.0465, 0.2637,  
0.3670

 11.2286, 0.1776,  
0.4400

 292.8589, 0.2666,  
0.3647

 6.2208, 0.1502,  
0.4655


349.0509, 0.2693,

 2.9798, 0.1084,


0.3626


0.5064


412.0068, 0.2716,  
0.3607


 1.1212, 0.0000,  
0.6114


 0.0000, 0.0000,  
0.0000


 76.2231, 0.2405,  
0.3858


 76.2231, 0.2405,  
0.3858


 76.2230, 0.2405,  
0.3858


 76.6598, 0.2401,  
0.3796


 77.3804, 0.2413,  
0.3733

 78.4696, 0.2445,  
0.3670

 79.9795, 0.2496,  
0.3608

 81.9536, 0.2567,  
0.3547

 84.4301, 0.2655,  
0.3489

 87.4430, 0.2757,  
0.3433

 91.0234, 0.2873,  
0.3381

 95.2002, 0.2997,  
0.3334

# Harmonies

## Analogous

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



76.2231, 0.3028, 0.4459



76.2231, 0.2405, 0.3858



76.2231, 0.2003, 0.3106

# Triad

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



76.2231, 0.2405, 0.3858



76.2231, 0.2452, 0.2214



76.2231, 0.4545, 0.3808

# Complementary

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



76.2231, 0.2405, 0.3858



21.4419, 0.6181, 0.3178

# 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.



76.2231, 0.4386, 0.3274



76.2231, 0.2405, 0.3858



76.2231, 0.3095, 0.2408

# Square

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



76.2231, 0.2405, 0.3858



76.2231, 0.2036, 0.2244



76.2231, 0.3827, 0.2782



76.2231, 0.4278, 0.4300



# Rectangle

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



76.2231, 0.2405, 0.3858



76.2231, 0.1892, 0.2694



76.2231, 0.3827, 0.2782



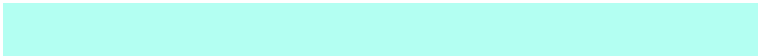
76.2231, 0.4542, 0.3630

# Sweetspot

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



76.2230, 0.2405, 0.3858



87.4430, 0.2757, 0.3433



72.1184, 0.3051, 0.5960



18.4301, 0.2712, 0.3456



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

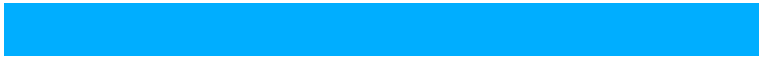


# Same Dimension

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



76.2230, 0.2405, 0.3858



37.5888, 0.1944, 0.2199



20.4245, 0.3003, 0.3331



39.8479, 0.2402, 0.3848



3.8934, 0.2382, 0.3776

# Inverse Universe

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



21.4419, 0.6181, 0.3178



27.1078, 0.5954, 0.3655



18.0382, 0.3267, 0.3249



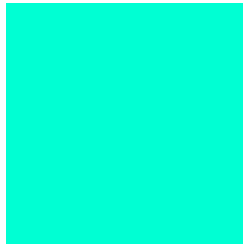
11.2186, 0.6148, 0.3161



1.1058, 0.5865, 0.3004

# Previews

## White Background



This preview shows how the Yxy color 76.2231, 0.2405, 0.3858 looks on a white background.

## Color Contrast Check

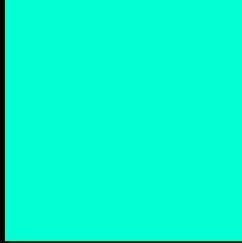
Large Text (above 18pt) WCAG AA × Fail

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 76.2231, 0.2405, 0.3858 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

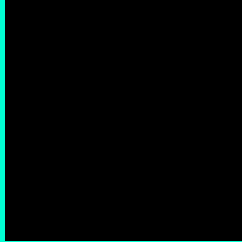
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.2231, 0.2405, 0.3858**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2231, 0.2405, 0.3858.



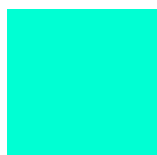
This preview shows how white text looks on a background with the Yxy color 76.2231, 0.2405, 0.3858.



# Color Blindness Simulation

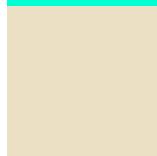
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



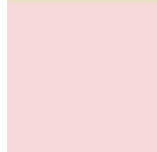
### Original Color

76.2231, 0.2405, 0.3858



### Protanopia

74.9136, 0.3402, 0.3601



### Deuteranopia

74.6966, 0.3341, 0.3270



## Tritanopia

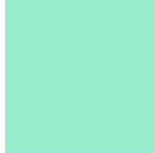
75.2910, 0.2498, 0.3116

# Trichromacy



## Original Color

76.2231, 0.2405, 0.3858



## Protanomaly

70.1177, 0.2796, 0.3711



## Deuteranomaly

69.3788, 0.2755, 0.3471



## Tritanomaly

73.7105, 0.2392, 0.3361

# Monochromacy



## Original Color

76.2231, 0.2405, 0.3858



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

49.6792, 0.2612, 0.3518

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2231, 0.2405, 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(0, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2231, 0.2405, 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(0, 255, 211) }
```

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

```
.border{ border-color:rgb(0, 255, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to Yxy 76.2231, 0.2405, 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(0, 255, 211) }
```

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

```
.background{ background-color: rgb(0, 255,  
211) }
```

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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