

# Converting Colors

$Y_{xy}(76.9003, 0.2384, 0.3735)$

Have a look what the booklet for  
Yxy(76.9003, 0.2384, 0.3735)  
contains.

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# Color

**Yxy(76.9069, 0.2384, 0.3734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AFFDC
RGB	26, 255, 220
RGB Percent	10%, 100%, 86%
CMY	0.8981, 0.0000, 0.1373
CMYK	0.90, 0.00, 0.14, 0.00
HSL	171°, 100%, 55%
HSV	171°, 90%, 100%
XYZ	49.1018, 76.9069, 79.9552
YIQ	182.5390, -125.2490, -59.4330

# Conversions

## Conversions Part 2

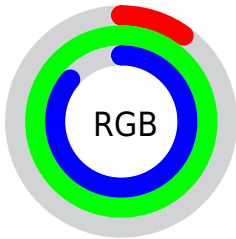
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	26, 150, 255
Decimal	1769436
CIE Lab	90.28, -56.90, 2.80
CIE LCh	90, 56.971, 177.181
Yxy	76.9069, 0.2384, 0.3734
Android (android.graphics.Color)	4279959516 (0xFF1AFFDC)
YUV	182.5390, 18.4683, -137.2847
Hunter-Lab	87.6966, -53.5259, 7.3314

# Details

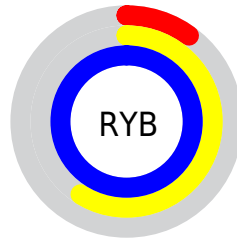
The Yxy color **76.9069, 0.2384, 0.3734** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.3353, 0.5956, 0.3134**, and the grayscale version is **47.0337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **42.6491, 0.2393, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **76.4855, 0.2386, 0.3788**, and if you desaturate by 10%, it is **77.6121, 0.2398, 0.3679**.

# Distribution



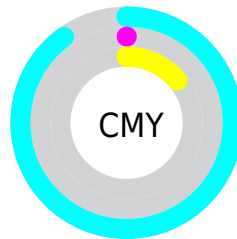
- Red (10%)
- Green (100%)
- Blue (86%)



- Red (10%)
- Yellow (59%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)



- Cyan (90%)
- Magenta (0%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.9069, 0.2384, 0.3734 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 76.9069, 0.2384, 0.3734 by changing the saturation by 10% instead.




 76.9069, 0.2384,  
0.3734


 76.9069, 0.2384,  
0.3734


484.4465, 0.2722,  
0.3529


 57.1765, 0.2308,  
0.3780


 129.0081, 0.2500,  
0.3663


 41.1469, 0.2216,  
0.3837


 162.1476, 0.2546,  
0.3636

 28.4339, 0.2101,  
0.3909


 200.5256, 0.2585,  
0.3612

 18.6530, 0.1953,  
0.4002

 244.5264, 0.2619,  
0.3591

 11.4198, 0.1759,  
0.4126

294.5346, 0.2650,  
0.3573

 6.3500, 0.1493,  
0.4301


350.9344, 0.2677,


 3.0590, 0.1110,


0.3557


0.4561


414.1102, 0.2701,  
0.3542


 1.1626, 0.0000,  
0.5266


 0.0309, 0.0000,  
1.0000

 76.9069, 0.2384,  
0.3734


 76.9069, 0.2384,  
0.3734


 76.4855, 0.2386,  
0.3788

 77.6121, 0.2398,  
0.3679

 76.4785, 0.2386,  
0.3789

 78.6867, 0.2431,  
0.3624

 80.1816, 0.2485,  
0.3569

 82.1401, 0.2557,  
0.3516

■ 84.6004, 0.2647,  
0.3464

■ 87.5963, 0.2752,  
0.3416

■ 91.1591, 0.2870,  
0.3370

■ 95.3173, 0.2997,  
0.3328

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



76.9069, 0.2957, 0.4332



76.9069, 0.2384, 0.3734



76.9069, 0.2032, 0.3039

# Triad

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



76.9069, 0.2384, 0.3734



76.9069, 0.2557, 0.2279



76.9069, 0.4455, 0.3854

# Complementary

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



76.9069, 0.2384, 0.3734



22.3353, 0.5956, 0.3134

# 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.



76.9069, 0.4355, 0.3345



76.9069, 0.2384, 0.3734



76.9069, 0.3187, 0.2489

# Square

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



76.9069, 0.2384, 0.3734



76.9069, 0.2129, 0.2281



76.9069, 0.3870, 0.2865



76.9069, 0.4164, 0.4301



# Rectangle

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



76.9069, 0.2384, 0.3734



76.9069, 0.1947, 0.2670



76.9069, 0.3870, 0.2865



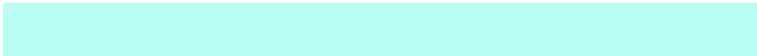
76.9069, 0.4469, 0.3686

# Sweetspot

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



76.9060, 0.2384, 0.3734



88.5383, 0.2784, 0.3402



72.6898, 0.3076, 0.5873



18.7070, 0.2745, 0.3418



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.



76.9060, 0.2384, 0.3734



76.4785, 0.2386, 0.3789



39.5447, 0.1979, 0.2266



20.4309, 0.3000, 0.3327



39.9797, 0.2383, 0.3780



3.9050, 0.2366, 0.3718



# Inverse Universe

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



22.3353, 0.5956, 0.3134



21.4064, 0.6222, 0.3201



30.9015, 0.5662, 0.3786



18.0323, 0.3270, 0.3254



11.1987, 0.6192, 0.3185

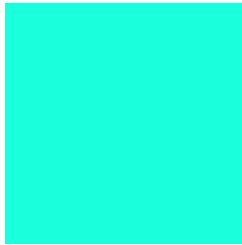


1.1030, 0.5921, 0.3035



# Previews

## White Background



This preview shows how the Yxy color 76.9069, 0.2384, 0.3734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

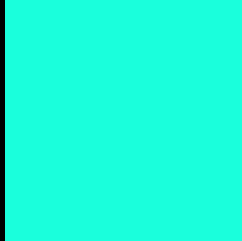
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.9069, 0.2384, 0.3734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

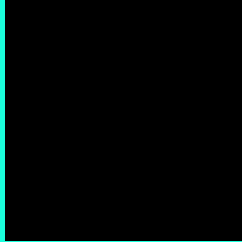
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

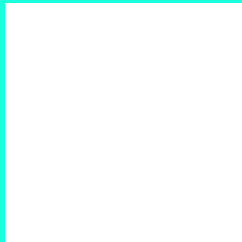
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.9069, 0.2384, 0.3734**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.9069, 0.2384, 0.3734.

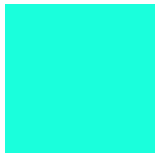


This preview shows how white text looks on a background with the Yxy color 76.9069, 0.2384, 0.3734.

# Color Blindness Simulation

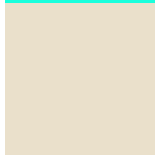
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



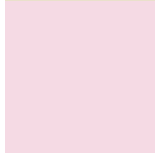
### Original Color

76.9069, 0.2384, 0.3734



### Protanopia

75.1155, 0.3339, 0.3515



### Deuteranopia

75.1567, 0.3255, 0.3188



## Tritanopia

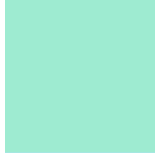
76.2416, 0.2518, 0.3129

# Trichromacy



## Original Color

76.9069, 0.2384, 0.3734



## Protanomaly

71.2892, 0.2797, 0.3605



## Deuteranomaly

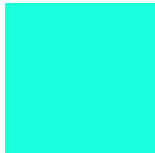
70.5874, 0.2746, 0.3360



## Tritanomaly

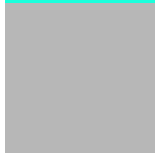
75.1471, 0.2418, 0.3336

# Monochromacy



## Original Color

76.9069, 0.2384, 0.3734



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

54.0221, 0.2654, 0.3466

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.9069, 0.2384, 0.3734 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(26, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 220)  
}
```

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(26, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 76.9069, 0.2384, 0.3734 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(26, 255, 220) }
```

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

```
.border{ border-color:rgb(26, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.9069, 0.2384, 0.3734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 220) }
```

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

```
.background{ background-color: rgb(26, 255,  
220) }
```

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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