

# Converting Colors

$Yxy(63.5068, 0.1480, 0.3387)$

Have a look what the booklet for  
Yxy(63.5068, 0.1480, 0.3387)  
contains.

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# Color

**Yxy(75.5260, 0.2271, 0.3374)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01FBF4
RGB	1, 251, 244
RGB Percent	0%, 98%, 96%
CMY	0.9957, 0.0157, 0.0431
CMYK	1.00, 0.00, 0.03, 0.02
HSL	178°, 99%, 49%
HSV	178°, 100%, 98%
XYZ	50.8357, 75.5260, 97.4854
YIQ	175.4520, -146.7530, -55.1770

# Conversions

## Conversions Part 2

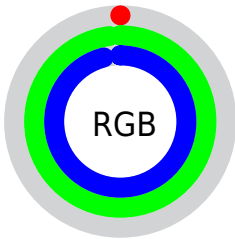
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 128, 251
Decimal	130036
CIE Lab	89.64, -49.48, -10.63
CIE LCh	90, 50.605, 192.122
Yxy	75.5260, 0.2271, 0.3374
Android (android.graphics.Color)	4278320116 (0xFF01FBF4)
YUV	175.4520, 33.7942, -152.9944
Hunter-Lab	86.9057, -47.6710, -5.6738

# Details

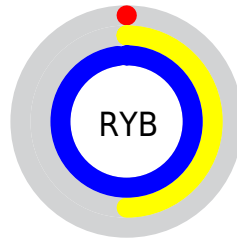
The Yxy color **75.5260, 0.2271, 0.3374** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.5495, 0.6375, 0.3289**, and the grayscale version is **43.0079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **42.2144, 0.2273, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **75.5199, 0.2271, 0.3374**, and if you desaturate by 10%, it is **75.7867, 0.2281, 0.3365**.

# Distribution



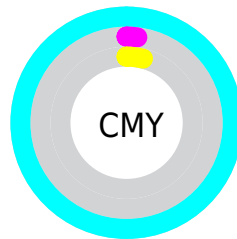
- Red (0%)
- Green (98%)
- Blue (96%)



- Red (0%)
- Yellow (50%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5260, 0.2271, 0.3374 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 75.5260, 0.2271, 0.3374 by changing the saturation by 10% instead.





 75.5260, 0.2271,  
0.3374

 75.5260, 0.2271,  
0.3374

479.7236, 0.2653,  
0.3347

 56.0439, 0.2187,  
0.3377


 127.0567, 0.2401,  
0.3367

 40.2381, 0.2086,  
0.3380


 159.8740, 0.2452,  
0.3363

 27.7243, 0.1962,  
0.3381


 197.9053, 0.2497,  
0.3360

 18.1179, 0.1804,  
0.3379

 241.5348, 0.2536,  
0.3357

 11.0347, 0.1601,  
0.3370

291.1470, 0.2570,  
0.3354

 6.0902, 0.1333,  
0.3344

347.1263, 0.2601,

 2.9000, 0.0970,

0.3352

0.3275

409.8570, 0.2629,  
0.3349

■ 1.0797, 0.0000,  
0.3249

■ 0.0000, 0.0000,  
0.0000

■ 75.5260, 0.2271,  
0.3374

■ 75.5260, 0.2271,  
0.3374


■ 75.5199, 0.2271,  
0.3374


■ 75.7867, 0.2281,  
0.3365


■ 76.3189, 0.2305,  
0.3356

■ 77.2032, 0.2348,  
0.3347

■ 78.4890, 0.2410,  
0.3338

 80.2180, 0.2492,  
0.3329

 82.4265, 0.2592,  
0.3320

 85.1471, 0.2709,  
0.3311

 88.4097, 0.2841,  
0.3304

 92.2417, 0.2983,  
0.3296

# Harmonies

## Analogous

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



75.5260, 0.2705, 0.3979



75.5260, 0.2271, 0.3374



75.5260, 0.2067, 0.2815

# Triad

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



75.5260, 0.2271, 0.3374



75.5260, 0.2884, 0.2445



75.5260, 0.4231, 0.4025

# Complementary

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



75.5260, 0.2271, 0.3374



20.5495, 0.6375, 0.3289

# 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.



75.5260, 0.4318, 0.3582



75.5260, 0.2271, 0.3374



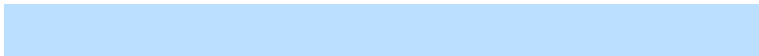
75.5260, 0.3495, 0.2720

# Square

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



75.5260, 0.2271, 0.3374



75.5260, 0.2392, 0.2349



75.5260, 0.4042, 0.3121



75.5260, 0.3840, 0.4336



# Rectangle

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



75.5260, 0.2271, 0.3374



75.5260, 0.2069, 0.2555



75.5260, 0.4042, 0.3121



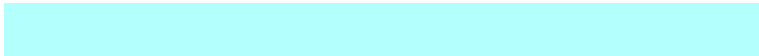
75.5260, 0.4299, 0.3885

# Sweetspot

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



75.5288, 0.2271, 0.3374



88.1271, 0.2704, 0.3312



69.0533, 0.3005, 0.5994



18.5961, 0.2653, 0.3315



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.



75.5288, 0.2271, 0.3374



78.2889, 0.2271, 0.3374



24.1256, 0.1797, 0.1668



19.5997, 0.2984, 0.3296



39.7027, 0.2270, 0.3373



3.6797, 0.2267, 0.3362



# Inverse Universe

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



20.5495, 0.6375, 0.3289



21.2756, 0.6381, 0.3289



33.4002, 0.5525, 0.3992



17.2331, 0.3290, 0.3284



10.7921, 0.6372, 0.3284

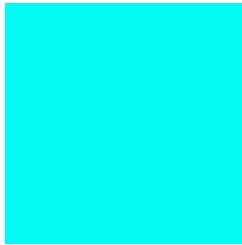


1.0022, 0.6302, 0.3245



# Previews

## White Background



This preview shows how the Yxy color 75.5260, 0.2271, 0.3374 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

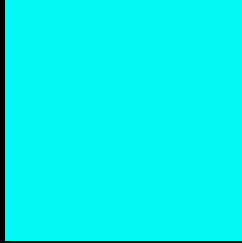
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5260, 0.2271, 0.3374 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

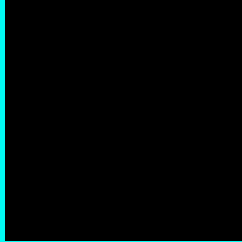
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

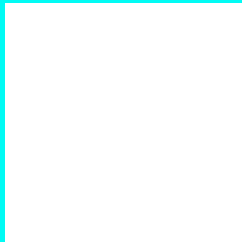
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.5260, 0.2271, 0.3374**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5260, 0.2271, 0.3374.

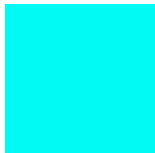


This preview shows how white text looks on a background with the Yxy color 75.5260, 0.2271, 0.3374.

# Color Blindness Simulation

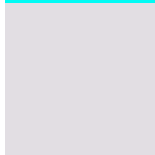
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



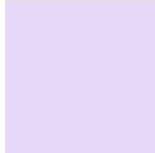
### Original Color

75.5325, 0.2271, 0.3374



### Protanopia

73.9574, 0.3123, 0.3237



### Deuteranopia

73.7465, 0.3011, 0.2941



## Tritanopia

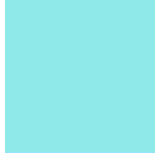
74.7744, 0.2473, 0.3115

# Trichromacy



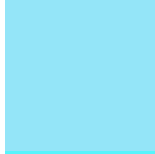
## Original Color

75.5325, 0.2271, 0.3374



## Protanomaly

70.0903, 0.2597, 0.3288



## Deuteranomaly

69.1118, 0.2536, 0.3066



## Tritanomaly

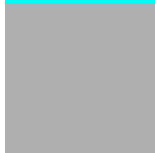
73.6926, 0.2334, 0.3203

# Monochromacy



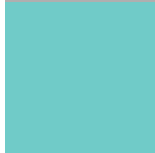
## Original Color

75.5325, 0.2271, 0.3374



## Achromatopsia

42.8690, 0.3127, 0.3290



## Achromatomaly

50.3267, 0.2545, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5260, 0.2271, 0.3374 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, 251, 244)` looks like.

```
.text, #text, p{  
    color:rgb(1, 251, 244)  
}
```

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, 251, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 251, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5260, 0.2271, 0.3374 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, 251, 244) }
```

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

```
.border{ border-color:rgb(1, 251, 244) }
```

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

Here you see how a box with a 4 pixel rgb(1, 251, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 251, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 251, 244);  
box-shadow:4px 4px 4px 4px rgb(1, 251,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5260, 0.2271, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 251, 244) }
```

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

```
.background{ background-color: rgb(1, 251,  
244) }
```

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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