

# Converting Colors

$Y_{xy}(75.1199, 0.2332, 0.3591)$

Have a look what the booklet for  
Yxy(75.1199, 0.2332, 0.3591)  
contains.

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# Color

**Yxy(75.2416, 0.2332, 0.3593)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01FCE4
RGB	1, 252, 228
RGB Percent	0%, 99%, 89%
CMY	0.9943, 0.0117, 0.1059
CMYK	0.99, 0.00, 0.10, 0.01
HSL	174°, 99%, 50%
HSV	174°, 99%, 99%
XYZ	48.8348, 75.2416, 85.3352
YIQ	174.2150, -141.8920, -60.6760

# Conversions

## Conversions Part 2

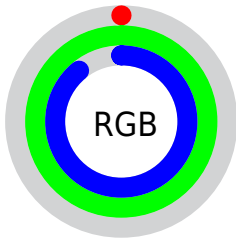
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 133, 252
Decimal	130276
CIE Lab	89.51, -54.30, -2.49
CIE LCh	90, 54.357, 182.625
Yxy	75.2416, 0.2332, 0.3593
Android (android.graphics.Color)	4278320356 (0xFF01FCE4)
YUV	174.2150, 26.5160, -151.9096
Hunter-Lab	86.7419, -51.3047, 2.3908

# Details

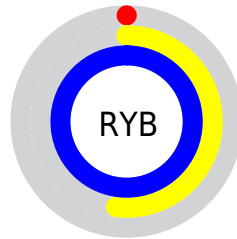
The Yxy color **75.2416, 0.2332, 0.3593** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.8037, 0.6306, 0.3251**, and the grayscale version is **42.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **41.6007, 0.2342, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **75.2272, 0.2332, 0.3595**, and if you desaturate by 10%, it is **75.5987, 0.2336, 0.3560**.

# Distribution



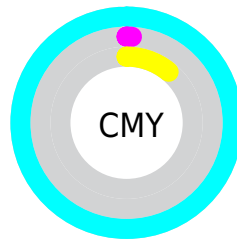
- Red (0%)
- Green (99%)
- Blue (89%)



- Red (0%)
- Yellow (52%)
- Blue (99%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (1%)




- Cyan (99%)
- Magenta (1%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2416, 0.2332, 0.3593 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 75.2416, 0.2332, 0.3593 by changing the saturation by 10% instead.




 75.2416, 0.2332,  
0.3593


 75.2416, 0.2332,  
0.3593


478.7476, 0.2692,  
0.3458

 55.8108, 0.2252,  
0.3622


 126.6543, 0.2455,  
0.3548

 40.0513, 0.2155,  
0.3657


 159.4050, 0.2503,  
0.3529

 27.5785, 0.2034,  
0.3701


 197.3645, 0.2545,  
0.3514

 18.0082, 0.1880,  
0.3755

 240.9172, 0.2582,  
0.3500

 10.9559, 0.1679,  
0.3824

290.4475, 0.2614,  
0.3488

 6.0372, 0.1407,  
0.3913

346.3397, 0.2643,

 2.8677, 0.1022,

0.3477

0.4031

408.9782, 0.2669,  
0.3467

■ 1.0631, 0.0000,  
0.4377

■ 0.0000, 0.0000,  
0.0000

■ 75.2416, 0.2332,  
0.3593

■ 75.2416, 0.2332,  
0.3593


■ 75.2272, 0.2332,  
0.3595


■ 75.5987, 0.2336,  
0.3560

■ 76.2340, 0.2355,  
0.3527

■ 77.2271, 0.2394,  
0.3494


■ 78.6281, 0.2452,  
0.3461

 80.4788, 0.2529,  
0.3428

 82.8159, 0.2625,  
0.3397

 85.6723, 0.2736,  
0.3367

 89.0782, 0.2860,  
0.3339

 93.0612, 0.2994,  
0.3312

# Harmonies

## Analogous

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



75.2416, 0.2855, 0.4206



75.2416, 0.2332, 0.3593



75.2416, 0.2036, 0.2945

# Triad

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



75.2416, 0.2332, 0.3593



75.2416, 0.2677, 0.2336



75.2416, 0.4380, 0.3925

# Complementary

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



75.2416, 0.2332, 0.3593



20.8037, 0.6306, 0.3251

# 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.



75.2416, 0.4355, 0.3436



75.2416, 0.2332, 0.3593



75.2416, 0.3308, 0.2572

# Square

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



75.2416, 0.2332, 0.3593



75.2416, 0.2221, 0.2299



75.2416, 0.3947, 0.2960



75.2416, 0.4046, 0.4327



# Rectangle

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



75.2416, 0.2332, 0.3593



75.2416, 0.1984, 0.2617



75.2416, 0.3947, 0.2960



75.2416, 0.4416, 0.3766

# Sweetspot

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



75.2445, 0.2332, 0.3593



87.8005, 0.2729, 0.3368



69.8642, 0.3019, 0.5982



18.5167, 0.2680, 0.3381



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.



75.2445, 0.2332, 0.3593



77.2634, 0.2332, 0.3595



29.4305, 0.1863, 0.1905



19.5782, 0.2993, 0.3313



39.1912, 0.2330, 0.3589



3.6379, 0.2320, 0.3550



# Inverse Universe

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



20.8037, 0.6306, 0.3251



21.3279, 0.6316, 0.3253



30.1443, 0.5716, 0.3839



17.2523, 0.3279, 0.3268



10.8245, 0.6293, 0.3240

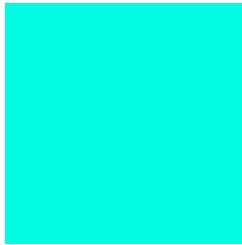


1.0113, 0.6076, 0.3121



# Previews

## White Background



This preview shows how the Yxy color 75.2416, 0.2332, 0.3593 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

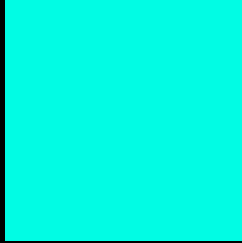
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2416, 0.2332, 0.3593 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

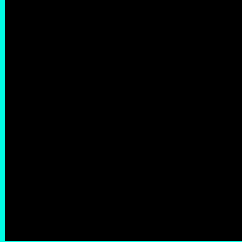
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2416, 0.2332, 0.3593**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2416, 0.2332, 0.3593.

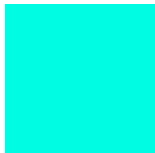


This preview shows how white text looks on a background with the Yxy color 75.2416, 0.2332, 0.3593.

# Color Blindness Simulation

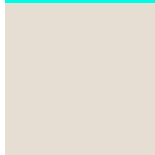
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



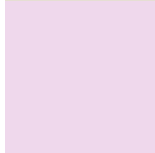
### Original Color

75.2287, 0.2332, 0.3593



### Protanopia

73.7687, 0.3258, 0.3408



### Deuteranopia

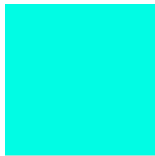
73.5186, 0.3158, 0.3084



## Tritanopia

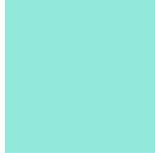
74.6911, 0.2469, 0.3115

# Trichromacy



## Original Color

75.2287, 0.2332, 0.3593



## Protanomaly

69.4906, 0.2693, 0.3485



## Deuteranomaly

68.6941, 0.2636, 0.3241



## Tritanomaly

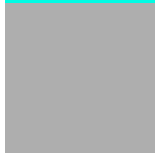
73.2724, 0.2355, 0.3276

# Monochromacy



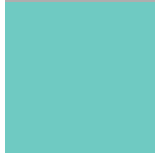
## Original Color

75.2287, 0.2332, 0.3593



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

49.5156, 0.2570, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2416, 0.2332, 0.3593 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, 252, 228)` looks like.

```
.text, #text, p{  
    color:rgb(1, 252, 228)  
}
```

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, 252, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 252, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2416, 0.2332, 0.3593 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, 252, 228) }
```

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

```
.border{ border-color:rgb(1, 252, 228) }
```

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

Here you see how a box with a 4 pixel rgb(1, 252, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 252, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 252, 228);  
box-shadow:4px 4px 4px 4px rgb(1, 252,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2416, 0.2332, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 252, 228) }
```

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

```
.background{ background-color: rgb(1, 252,  
228) }
```

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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