

# Converting Colors

$Y_{xy}(79.2416, 0.1815, 0.2258)$

Have a look what the booklet for  
Yxy(79.2416, 0.1815, 0.2258)  
contains.

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# Color

**Yxy(75.5912, 0.2230, 0.3227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01FAFF
RGB	1, 250, 255
RGB Percent	0%, 98%, 100%
CMY	0.9974, 0.0196, 0.0001
CMYK	1.00, 0.02, 0.00, 0.00
HSL	181°, 100%, 50%
HSV	181°, 100%, 100%
XYZ	52.2369, 75.5912, 106.4180
YIQ	176.1190, -150.0090, -51.2330

# Conversions

## Conversions Part 2

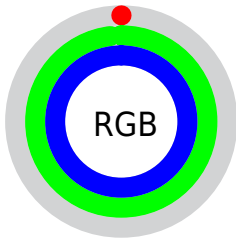
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 127, 255
Decimal	129791
CIELab	89.67, -45.91, -16.29
CIELCh	90, 48.716, 199.536
Yxy	75.5912, 0.2230, 0.3227
Android (android.graphics.Color)	4278319871 (0xFF01FAFF)
YUV	176.1190, 38.8883, -153.5794
Hunter-Lab	86.9432, -44.9049, -11.7104

# Details

The Yxy color **75.5912, 0.2230, 0.3227** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3778, 0.6388, 0.3307**, and the grayscale version is **43.2756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **42.2171, 0.2225, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **75.5817, 0.2230, 0.3227**, and if you desaturate by 10%, it is **76.1214, 0.2243, 0.3233**.

# Distribution



- Red (0%)
- Green (98%)
- Blue (100%)



- Red (0%)
- Yellow (50%)
- Blue (100%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5912, 0.2230, 0.3227 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 75.5912, 0.2230, 0.3227 by changing the saturation by 10% instead.




 75.5912, 0.2230,  
0.3227


 75.5912, 0.2230,  
0.3227

479.9471, 0.2628,  
0.3270


 56.0974, 0.2144,  
0.3214


 127.1489, 0.2364,  
0.3245

 40.2810, 0.2040,  
0.3196


 159.9815, 0.2418,  
0.3251

 27.7577, 0.1912,  
0.3172


 198.0292, 0.2464,  
0.3256

 18.1431, 0.1753,  
0.3136

 241.6763, 0.2505,  
0.3260

 11.0528, 0.1549,  
0.3081

291.3073, 0.2541,  
0.3263

 6.1023, 0.1282,  
0.2992


347.3065, 0.2573,

 2.9074, 0.0929,


0.3266

0.2832


410.0583, 0.2602,  
0.3268


 1.0836, 0.0000,  
0.2640


 0.0000, 0.0000,  
0.0000


 75.5912, 0.2230,  
0.3227

 75.5912, 0.2230,  
0.3227

 75.5817, 0.2230,  
0.3227

 76.1214, 0.2243,  
0.3233

 76.9315, 0.2272,  
0.3240

 78.1063, 0.2318,  
0.3246

 79.6974, 0.2384,  
0.3253

■ 81.7483, 0.2470,  
0.3260

■ 84.2969, 0.2574,  
0.3266

■ 87.3772, 0.2695,  
0.3273

■ 91.0200, 0.2830,  
0.3279

■ 95.2541, 0.2977,  
0.3285

# Harmonies

## Analogous

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



75.5912, 0.2600, 0.3819



75.5912, 0.2230, 0.3227



75.5912, 0.2091, 0.2729

# Triad

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



75.5912, 0.2230, 0.3227



75.5912, 0.3034, 0.2524



75.5912, 0.4122, 0.4093

# Complementary

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



75.5912, 0.2230, 0.3227



21.3778, 0.6388, 0.3307

# 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.



75.5912, 0.4285, 0.3686



75.5912, 0.2230, 0.3227



75.5912, 0.3626, 0.2826

# Square

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



75.5912, 0.2230, 0.3227



75.5912, 0.2519, 0.2385



75.5912, 0.4103, 0.3236



75.5912, 0.3692, 0.4333



# Rectangle

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



75.5912, 0.2230, 0.3227



75.5912, 0.2132, 0.2514



75.5912, 0.4103, 0.3236



75.5912, 0.4212, 0.3969

# Sweetspot

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



75.5940, 0.2230, 0.3227



87.3143, 0.2692, 0.3273



71.5155, 0.2998, 0.5992



18.3978, 0.2639, 0.3270



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.



75.5940, 0.2230, 0.3227



75.6023, 0.2230, 0.3227



21.5315, 0.1749, 0.1494



20.4169, 0.2980, 0.3285



39.5315, 0.2230, 0.3228



3.8677, 0.2232, 0.3235



# Inverse Universe

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



28.1707, 0.3259, 0.1570



28.1632, 0.3259, 0.1569



37.7725, 0.5382, 0.4107



18.2939, 0.3141, 0.3060



14.7187, 0.3259, 0.1569

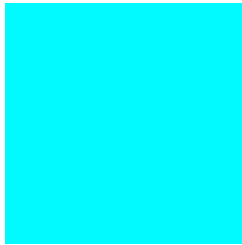


1.4350, 0.3253, 0.1565



# Previews

## White Background



This preview shows how the Yxy color 75.5912, 0.2230, 0.3227 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

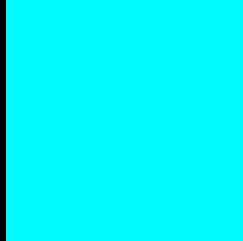
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5912, 0.2230, 0.3227 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

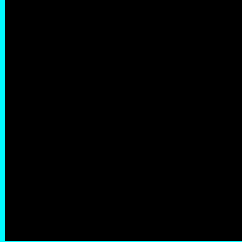
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

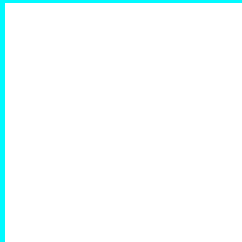
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.5912, 0.2230, 0.3227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5912, 0.2230, 0.3227.

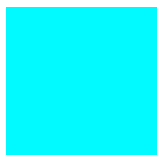


This preview shows how white text looks on a background with the Yxy color 75.5912, 0.2230, 0.3227.

# Color Blindness Simulation

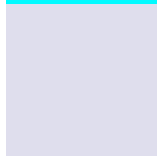
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

75.5977, 0.2230, 0.3227



### Protanopia

74.0450, 0.3037, 0.3131



### Deuteranopia

74.0518, 0.2946, 0.2918



## Tritanopia

75.2815, 0.2471, 0.3127

# Trichromacy



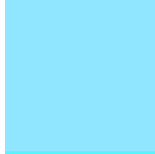
## Original Color

75.5977, 0.2230, 0.3227



## Protanomaly

69.9957, 0.2533, 0.3146



## Deuteranomaly

69.7429, 0.2487, 0.2998



## Tritanomaly

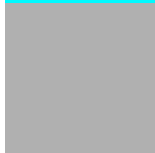
73.8998, 0.2316, 0.3156

# Monochromacy



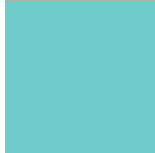
## Original Color

75.5977, 0.2230, 0.3227



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.5644, 0.2519, 0.3261

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5912, 0.2230, 0.3227 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 255)  
}
```

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, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5912, 0.2230, 0.3227 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, 250, 255) }
```

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

```
.border{ border-color:rgb(1, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5912, 0.2230, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 250, 255) }
```

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

```
.background{ background-color: rgb(1, 250,  
255) }
```

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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