

# Converting Colors

$Y_{xy}(76.2760, 0.2243, 0.3274)$

Have a look what the booklet for  
Yxy(76.2760, 0.2243, 0.3274)  
contains.

<b>Yxy(76.0226, 0.2243, 0.3275)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(76.0226, 0.2243, 0.3275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FBFC
RGB	0, 251, 252
RGB Percent	0%, 98%, 99%
CMY	1.0000, 0.0157, 0.0117
CMYK	1.00, 0.00, 0.00, 0.01
HSL	180°, 100%, 49%
HSV	180°, 100%, 99%
XYZ	52.0668, 76.0226, 104.0407
YIQ	176.0650, -149.9170, -52.9010

# Conversions

## Conversions Part 2

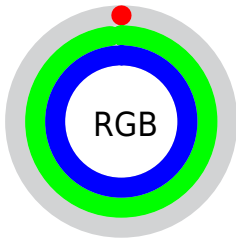
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 126, 252
Decimal	64508
CIELab	89.87, -47.22, -14.46
CIELCh	90, 49.385, 197.021
Yxy	76.0226, 0.2243, 0.3275
Android (android.graphics.Color)	4278254588 (0xFF00FBFC)
YUV	176.0650, 37.4360, -154.4090
Hunter-Lab	87.1909, -45.9914, -9.7142

# Details

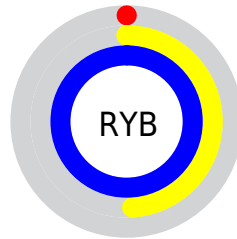
The Yxy color **76.0226, 0.2243, 0.3275** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.7213, 0.6399, 0.3301**, and the grayscale version is **43.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **42.5237, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **76.0273, 0.2243, 0.3275**, and if you desaturate by 10%, it is **76.3000, 0.2255, 0.3276**.

# Distribution



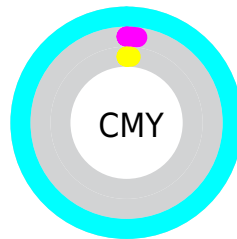
- Red (0%)
- Green (98%)
- Blue (99%)



- Red (0%)
- Yellow (49%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (2%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0226, 0.2243, 0.3275 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 76.0226, 0.2243, 0.3275 by changing the saturation by 10% instead.



 76.0226, 0.2243,  
0.3275

 76.0226, 0.2243,  
0.3275


481.4251, 0.2636,  
0.3295


 56.4510, 0.2158,  
0.3267


 127.7589, 0.2376,  
0.3285


 40.5647, 0.2055,  
0.3256


 160.6923, 0.2428,  
0.3288

 27.9791, 0.1929,  
0.3240


 198.8486, 0.2474,  
0.3290

 18.3099, 0.1771,  
0.3215

 242.6120, 0.2514,  
0.3292

 11.1727, 0.1568,  
0.3175

292.3669, 0.2550,  
0.3293

 6.1831, 0.1301,  
0.3105


348.4978, 0.2581,

 2.9567, 0.0947,


0.3294


0.2973


411.3891, 0.2610,  
0.3295


 1.1092, 0.0000,  
0.2835


 0.0000, 0.0000,  
0.0000


 76.0226, 0.2243,  
0.3275


 76.0226, 0.2243,  
0.3275

 76.0273, 0.2243,  
0.3275

 76.3000, 0.2255,  
0.3276

 76.8427, 0.2281,  
0.3278

 77.7382, 0.2325,  
0.3279

 79.0369, 0.2389,  
0.3281

■ 80.7813, 0.2472,  
0.3282

■ 83.0081, 0.2574,  
0.3284

■ 85.7506, 0.2693,  
0.3285

■ 89.0389, 0.2827,  
0.3287

■ 92.9009, 0.2973,  
0.3289

# Harmonies

## Analogous

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



76.0226, 0.2635, 0.3872



76.0226, 0.2243, 0.3275



76.0226, 0.2082, 0.2757

# Triad

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



76.0226, 0.2243, 0.3275



76.0226, 0.2984, 0.2498



76.0226, 0.4159, 0.4071

# Complementary

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



76.0226, 0.2243, 0.3275



20.7213, 0.6399, 0.3301

# 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.



76.0226, 0.4297, 0.3652



76.0226, 0.2243, 0.3275



76.0226, 0.3583, 0.2790

# Square

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



76.0226, 0.2243, 0.3275



76.0226, 0.2476, 0.2372



76.0226, 0.4084, 0.3198



76.0226, 0.3741, 0.4336

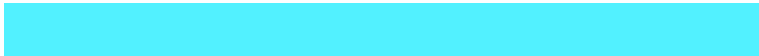


# Rectangle

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



76.0226, 0.2243, 0.3275



76.0226, 0.2110, 0.2527



76.0226, 0.4084, 0.3198



76.0226, 0.4241, 0.3941

# Sweetspot

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



76.0273, 0.2243, 0.3275



88.0678, 0.2693, 0.3285



69.6337, 0.3000, 0.6000



18.5816, 0.2641, 0.3285



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.



76.0273, 0.2243, 0.3275



78.0865, 0.2243, 0.3275



21.9539, 0.1763, 0.1546



19.5959, 0.2980, 0.3289



39.6019, 0.2243, 0.3275



3.6716, 0.2244, 0.3277



# Inverse Universe

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



27.6647, 0.3219, 0.1547



28.4140, 0.3219, 0.1547



35.6236, 0.5435, 0.4066



17.5233, 0.3139, 0.3057



14.4087, 0.3219, 0.1547

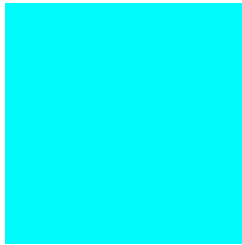


1.3349, 0.3218, 0.1546



# Previews

## White Background



This preview shows how the Yxy color 76.0226, 0.2243, 0.3275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

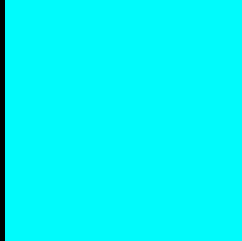
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.0226, 0.2243, 0.3275 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

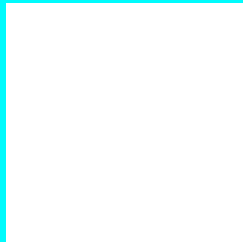
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.0226, 0.2243, 0.3275**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.0226, 0.2243, 0.3275.

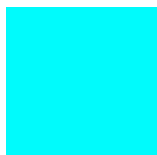


This preview shows how white text looks on a background with the Yxy color 76.0226, 0.2243, 0.3275.

# Color Blindness Simulation

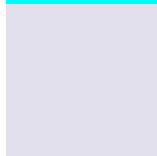
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



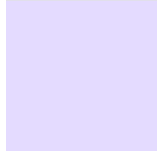
### Original Color

76.0226, 0.2243, 0.3275



### Protanopia

74.7811, 0.3064, 0.3163



### Deuteranopia

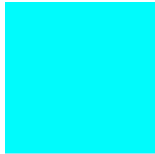
74.3770, 0.2959, 0.2920



## Tritanopia

75.6196, 0.2488, 0.3127

# Trichromacy



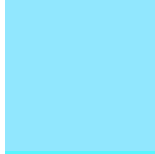
## Original Color

76.0226, 0.2243, 0.3275



## Protanomaly

70.4683, 0.2553, 0.3193



## Deuteranomaly

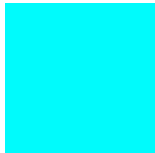
70.3273, 0.2498, 0.3022



## Tritanomaly

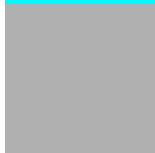
74.5353, 0.2328, 0.3180

# Monochromacy



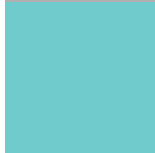
## Original Color

76.0226, 0.2243, 0.3275



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.5162, 0.2524, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.0226, 0.2243, 0.3275 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, 251, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 252)  
}
```

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, 251, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 76.0226, 0.2243, 0.3275 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, 251, 252) }
```

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

```
.border{ border-color:rgb(0, 251, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 251, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.0226, 0.2243, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 252) }
```

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

```
.background{ background-color: rgb(0, 251,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor