

Converting Colors

$Y_{xy}(70.8760, 0.2426, 0.3933)$

Have a look what the booklet for
Yxy(70.8760, 0.2426, 0.3933)
contains.

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Color

Yxy(70.6450, 0.2426, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	00F7C7
RGB	0, 247, 199
RGB Percent	0%, 97%, 78%
CMY	1.0000, 0.0313, 0.2196
CMYK	1.00, 0.00, 0.19, 0.03
HSL	168°, 100%, 48%
HSV	168°, 100%, 97%
XYZ	43.5650, 70.6450, 65.3655
YIQ	167.6750, -131.8040, -67.2920

Conversions

Conversions Part 2

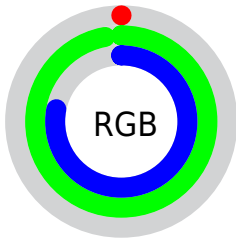
Format	Color
RYB	0, 137, 247
Decimal	63431
CIELab	87.31, -59.80, 9.41
CIELCh	87, 60.536, 171.060
Yxy	70.6450, 0.2426, 0.3934
Android (android.graphics.Color)	4278253511 (0xFF00F7C7)
YUV	167.6750, 15.4432, -147.0510
Hunter-Lab	84.0506, -54.5686, 12.7260

Details

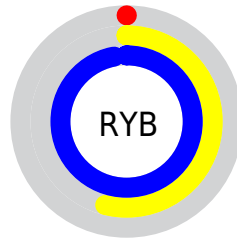
The Yxy color **70.6450, 0.2426, 0.3934** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **19.9893, 0.6126, 0.3148**, and the grayscale version is **38.9634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **38.4395, 0.2461, 0.4058** is the 20% darker color. If you saturate the color by 10%, you get **70.6498, 0.2426, 0.3934**, and if you desaturate by 10%, it is **71.0793, 0.2420, 0.3863**.

Distribution



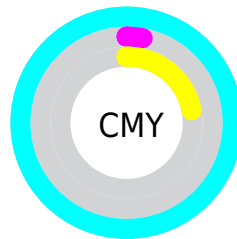
- Red (0%)
- Green (97%)
- Blue (78%)



- Red (0%)
- Yellow (54%)
- Blue (97%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)




- Cyan (100%)
- Magenta (3%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6450, 0.2426, 0.3934 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 70.6450, 0.2426, 0.3934 by changing the saturation by 10% instead.


 70.6450, 0.2426,
0.3934


 70.6450, 0.2426,
0.3934


462.8115, 0.2755,
0.3624


 52.0525, 0.2350,
0.4008

 120.1281, 0.2541,
0.3824


 37.0470, 0.2256,
0.4100


 151.7876, 0.2585,
0.3782


 25.2438, 0.2137,
0.4220


 188.5714, 0.2623,
0.3746

 16.2588, 0.1982,
0.4379

 230.8642, 0.2657,
0.3715

 9.7075, 0.1771,
0.4603

 279.0502, 0.2686,
0.3688

 5.2054, 0.1473,
0.4937


333.5138, 0.2711,


 2.3683, 0.0854,


0.3664

0.5588

394.6394, 0.2734,
0.3643

 0.8095, 0.0000,
0.7835


 0.0000, 0.0000,
0.0000


 70.6450, 0.2426,
0.3934


 70.6450, 0.2426,
0.3934

 70.6498, 0.2426,
0.3934

 71.0793, 0.2420,
0.3863

 71.7731, 0.2431,
0.3792

 72.8109, 0.2461,
0.3721

 74.2407, 0.2511,
0.3650

■ 76.1027, 0.2579,
0.3581

■ 78.4322, 0.2666,
0.3514

■ 81.2608, 0.2766,
0.3452

■ 84.6173, 0.2879,
0.3393

■ 88.5282, 0.3000,
0.3339

Harmonies

Analogous

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



70.6450, 0.3077, 0.4526



70.6450, 0.2426, 0.3934



70.6450, 0.1995, 0.3153

Triad

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



70.6450, 0.2426, 0.3934



70.6450, 0.2392, 0.2181



70.6450, 0.4589, 0.3775

Complementary

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



70.6450, 0.2426, 0.3934



19.9893, 0.6126, 0.3148

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.



70.6450, 0.4392, 0.3229



70.6450, 0.2426, 0.3934



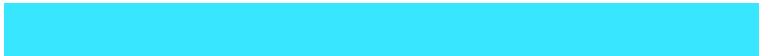
70.6450, 0.3037, 0.2363

Square

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



70.6450, 0.2426, 0.3934



70.6450, 0.1987, 0.2229



70.6450, 0.3792, 0.2734



70.6450, 0.4341, 0.4290

Rectangle

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



70.6450, 0.2426, 0.3934



70.6450, 0.1867, 0.2717



70.6450, 0.3792, 0.2734



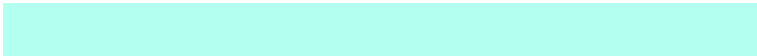
70.6450, 0.4575, 0.3592

Sweetspot

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



70.6498, 0.2426, 0.3934



87.3431, 0.2766, 0.3452



67.1898, 0.3061, 0.5952



18.4059, 0.2722, 0.3478



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.



70.6498, 0.2426, 0.3934



75.9485, 0.2426, 0.3935



36.5670, 0.1962, 0.2262



18.6993, 0.3007, 0.3336



37.3819, 0.2423, 0.3922



3.2993, 0.2398, 0.3833

Inverse Universe

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



19.9893, 0.6126, 0.3148



21.4866, 0.6129, 0.3150



24.6870, 0.5992, 0.3624



16.5352, 0.3263, 0.3244



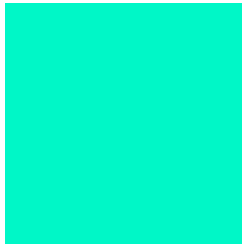
10.5864, 0.6091, 0.3129



0.9442, 0.5761, 0.2947

Previews

White Background



This preview shows how the Yxy color 70.6450, 0.2426, 0.3934 looks on a white background.

Color Contrast Check

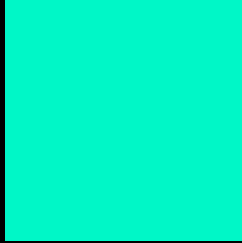
Large Text (above 18pt) WCAG AA × Fail

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 70.6450, 0.2426, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

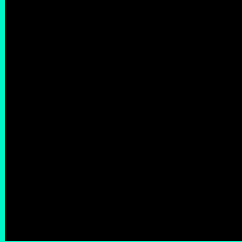
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6450, 0.2426, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 70.6450, 0.2426, 0.3934.

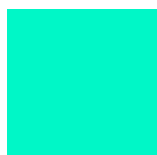


This preview shows how white text looks on a background with the Yxy color 70.6450, 0.2426, 0.3934.

Color Blindness Simulation

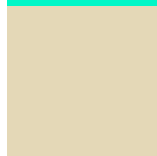
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

70.6450, 0.2426, 0.3934



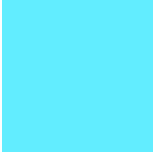
Protanopia

69.0246, 0.3448, 0.3656



Deuteranopia

68.8067, 0.3386, 0.3312



Tritanopia

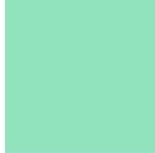
70.3850, 0.2329, 0.3072

Trichromacy



Original Color

70.6450, 0.2426, 0.3934



Protanomaly

64.6320, 0.2826, 0.3779



Deuteranomaly

63.9073, 0.2784, 0.3528



Tritanomaly

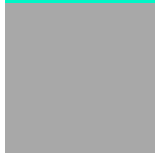
69.9329, 0.2330, 0.3364

Monochromacy



Original Color

70.6450, 0.2426, 0.3934



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

46.3130, 0.2623, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6450, 0.2426, 0.3934 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, 247, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 199)  
}
```

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, 247, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 199) }
```

Border

The CSS property to change the border of an element to Yxy 70.6450, 0.2426, 0.3934 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, 247, 199) }
```

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

```
.border{ border-color:rgb(0, 247, 199) }
```

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

Here you see how a box with a 4 pixel rgb(0, 247, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 247, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 247, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 247,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6450, 0.2426, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 199) }
```

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

```
.background{ background-color: rgb(0, 247,  
199) }
```

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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