

Converting Colors

$Y_{xy}(73.7141, 0.2471, 0.4095)$

Have a look what the booklet for
Yxy(73.7141, 0.2471, 0.4095)
contains.

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Color

Yxy(73.4266, 0.2470, 0.4092)

Conversions

Conversions Part 1

Format	Color
Hex	00FCC0
RGB	0, 252, 192
RGB Percent	0%, 99%, 75%
CMY	1.0000, 0.0117, 0.2471
CMYK	1.00, 0.00, 0.24, 0.01
HSL	166°, 100%, 49%
HSV	166°, 100%, 99%
XYZ	44.3215, 73.4266, 61.6913
YIQ	169.8120, -130.9320, -72.0840

Conversions

Conversions Part 2

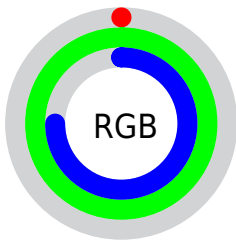
Format	Color
RYB	0, 143, 252
Decimal	64704
CIELab	88.65, -63.35, 14.94
CIELCh	89, 65.089, 166.733
Yxy	73.4266, 0.2470, 0.4092
Android (android.graphics.Color)	4278254784 (0xFF00FCC0)
YUV	169.8120, 10.9387, -148.9251
Hunter-Lab	85.6893, -57.6298, 17.2972

Details

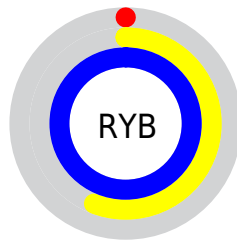
The Yxy color **73.4266, 0.2470, 0.4092** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.0233, 0.6009, 0.3084**, and the grayscale version is **40.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0103, 0.2461, 0.3369**, and **40.4186, 0.2517, 0.4260** is the 20% darker color. If you saturate the color by 10%, you get **73.4299, 0.2470, 0.4092**, and if you desaturate by 10%, it is **73.9107, 0.2460, 0.4004**.

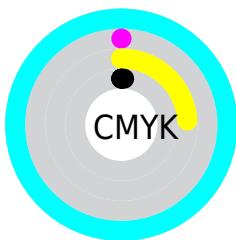
Distribution



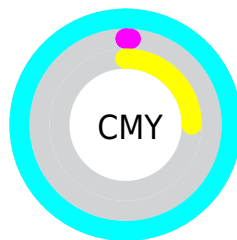
- Red (0%)
- Green (99%)
- Blue (75%)



- Red (0%)
- Yellow (56%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4266, 0.2470, 0.4092 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 73.4266, 0.2470, 0.4092 by changing the saturation by 10% instead.

 73.4266, 0.2470,
0.4092

 73.4266, 0.2470,
0.4092


472.4920, 0.2781,
0.3703

 54.3249, 0.2398,
0.4185


 124.0826, 0.2579,
0.3953


 38.8614, 0.2308,
0.4303

 156.4057, 0.2621,
0.3900


 26.6520, 0.2194,
0.4456


 193.9047, 0.2657,
0.3855

 17.3120, 0.2043,
0.4661

 236.9640, 0.2688,
0.3816

 10.4572, 0.1838,
0.4950

 285.9680, 0.2716,
0.3782

 5.7031, 0.1545,
0.5385


341.3010, 0.2740,

 2.6654, 0.0966,


0.3753


0.6191


403.3476, 0.2761,
0.3726


 0.9597, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.4266, 0.2470,
0.4092

 73.4266, 0.2470,
0.4092


 73.4299, 0.2470,
0.4092

 73.9107, 0.2460,
0.4004


 74.6724, 0.2466,
0.3914


 75.7979, 0.2492,
0.3825

 77.3378, 0.2539,
0.3736

 79.3346, 0.2604,
0.3650

 81.8252, 0.2686,
0.3567

 84.8430, 0.2783,
0.3489

 88.4181, 0.2890,
0.3417

 92.5787, 0.3006,
0.3350

Harmonies

Analogous

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



73.4266, 0.3175, 0.4661



73.4266, 0.2470, 0.4092



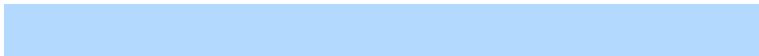
73.4266, 0.1980, 0.3254

Triad

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



73.4266, 0.2470, 0.4092



73.4266, 0.2272, 0.2116



73.4266, 0.4675, 0.3707

Complementary

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



73.4266, 0.2470, 0.4092



21.0233, 0.6009, 0.3084

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.



73.4266, 0.4400, 0.3140



73.4266, 0.2470, 0.4092



73.4266, 0.2918, 0.2275

Square

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



73.4266, 0.2470, 0.4092



73.4266, 0.1890, 0.2200



73.4266, 0.3718, 0.2637



73.4266, 0.4468, 0.4263

Rectangle

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



73.4266, 0.2470, 0.4092



73.4266, 0.1819, 0.2767



73.4266, 0.3718, 0.2637



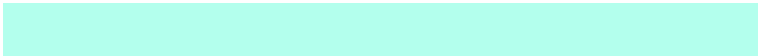
73.4266, 0.4639, 0.3515

Sweetspot

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



73.4299, 0.2470, 0.4092



87.1456, 0.2782, 0.3489



70.6820, 0.3091, 0.5927



18.3584, 0.2740, 0.3522



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.



73.4299, 0.2470, 0.4092



75.4266, 0.2470, 0.4093



43.4262, 0.2012, 0.2442



19.5337, 0.3012, 0.3347



38.2722, 0.2466, 0.4077



3.5611, 0.2436, 0.3971

Inverse Universe

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



21.0233, 0.6009, 0.3084



21.5942, 0.6011, 0.3085



24.2520, 0.6107, 0.3533



17.2930, 0.3256, 0.3234



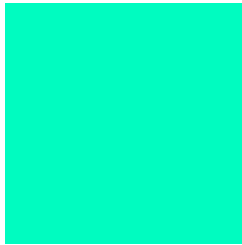
10.9696, 0.5970, 0.3062



1.0318, 0.5641, 0.2881

Previews

White Background



This preview shows how the Yxy color 73.4266, 0.2470, 0.4092 looks on a white background.

Color Contrast Check

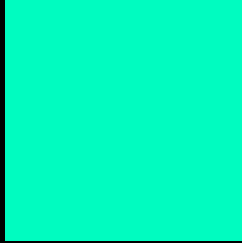
Large Text (above 18pt) WCAG AA × Fail

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 73.4266, 0.2470, 0.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

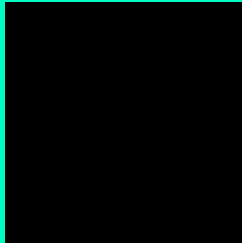
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4266, 0.2470, 0.4092

Background



This preview shows how black text looks on a background with the Yxy color 73.4266, 0.2470, 0.4092.

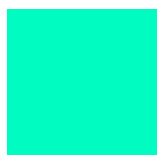


This preview shows how white text looks on a background with the Yxy color 73.4266, 0.2470, 0.4092.

Color Blindness Simulation

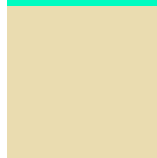
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



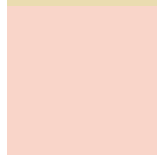
Original Color

73.4266, 0.2470, 0.4092



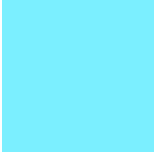
Protanopia

71.8134, 0.3535, 0.3769



Deuteranopia

71.9453, 0.3485, 0.3416



Tritanopia

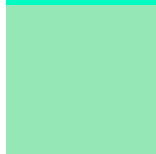
73.1640, 0.2419, 0.3101

Trichromacy



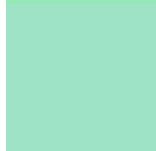
Original Color

73.4266, 0.2470, 0.4092



Protanomaly

67.4802, 0.2892, 0.3927



Deuteranomaly

66.2845, 0.2851, 0.3651



Tritanomaly

72.1473, 0.2386, 0.3438

Monochromacy



Original Color

73.4266, 0.2470, 0.4092



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.7111, 0.2640, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4266, 0.2470, 0.4092 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, 252, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 192)  
}
```

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, 252, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 192) }
```

Border

The CSS property to change the border of an element to Yxy 73.4266, 0.2470, 0.4092 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, 252, 192) }
```

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

```
.border{ border-color:rgb(0, 252, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4266, 0.2470, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 192) }
```

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

```
.background{ background-color: rgb(0, 252,  
192) }
```

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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