

Converting Colors

$Y_{xy}(72.4080, 0.2443, 0.3996)$

Have a look what the booklet for
Yxy(72.4080, 0.2443, 0.3996)
contains.

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Color

Yxy(72.4024, 0.2444, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	01FAC5
RGB	1, 250, 197
RGB Percent	0%, 98%, 77%
CMY	0.9969, 0.0196, 0.2274
CMYK	1.00, 0.00, 0.21, 0.02
HSL	167°, 99%, 49%
HSV	167°, 100%, 98%
XYZ	44.2711, 72.4024, 64.4684
YIQ	169.5070, -131.3910, -69.2710

Conversions

Conversions Part 2

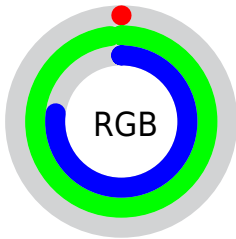
Format	Color
RYB	1, 140, 250
Decimal	129733
CIELab	88.16, -61.39, 11.65
CIELCh	88, 62.487, 169.257
Yxy	72.4024, 0.2444, 0.3997
Android (android.graphics.Color)	4278319813 (0xFF01FAC5)
YUV	169.5070, 13.5540, -147.7806
Hunter-Lab	85.0896, -56.0355, 14.6415

Details

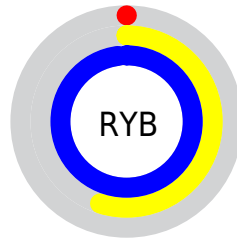
The Yxy color **72.4024, 0.2444, 0.3997** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.6046, 0.6072, 0.3121**, and the grayscale version is **39.8864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3206, 0.2434, 0.3299**, and **39.6824, 0.2483, 0.4139** is the 20% darker color. If you saturate the color by 10%, you get **72.3924, 0.2444, 0.3999**, and if you desaturate by 10%, it is **72.8650, 0.2437, 0.3919**.

Distribution



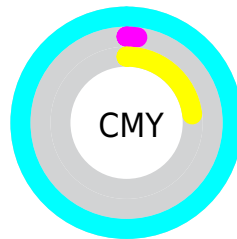
- Red (0%)
- Green (98%)
- Blue (77%)



- Red (0%)
- Yellow (55%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4024, 0.2444, 0.3997 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 72.4024, 0.2444, 0.3997 by changing the saturation by 10% instead.


 72.4024, 0.2444,
0.3997


 72.4024, 0.2444,
0.3997


468.9410, 0.2765,
0.3656


 53.4875, 0.2370,
0.4078


 122.6285, 0.2556,
0.3876


 38.1920, 0.2278,
0.4180


 154.7084, 0.2599,
0.3830

 26.1318, 0.2162,
0.4312


 191.9454, 0.2637,
0.3790

 16.9222, 0.2010,
0.4489

 234.7239, 0.2669,
0.3756

 10.1791, 0.1803,
0.4738

 283.4284, 0.2697,
0.3726

 5.5178, 0.1510,
0.5109


338.4431, 0.2722,

 2.5542, 0.0937,


0.3700


0.5802


400.1525, 0.2745,
0.3677

 0.9037, 0.0000,
0.8421


 0.0000, 0.0000,
0.0000


 72.4024, 0.2444,
0.3997


 72.4024, 0.2444,
0.3997


 72.3924, 0.2444,
0.3999

 72.8650, 0.2437,
0.3919


 73.6032, 0.2446,
0.3840


 74.6981, 0.2475,
0.3761

 76.1990, 0.2524,
0.3683

 78.1473, 0.2592,
0.3607

 80.5790, 0.2677,
0.3534

 83.5266, 0.2776,
0.3465

 87.0197, 0.2887,
0.3401

 91.0857, 0.3006,
0.3342

Harmonies

Analogous

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



72.4024, 0.3117, 0.4581



72.4024, 0.2444, 0.3997



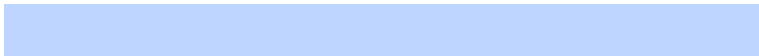
72.4024, 0.1989, 0.3194

Triad

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



72.4024, 0.2444, 0.3997



72.4024, 0.2344, 0.2155



72.4024, 0.4623, 0.3747

Complementary

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



72.4024, 0.2444, 0.3997



20.6046, 0.6072, 0.3121

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.



72.4024, 0.4395, 0.3193



72.4024, 0.2444, 0.3997



72.4024, 0.2989, 0.2328

Square

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



72.4024, 0.2444, 0.3997



72.4024, 0.1948, 0.2218



72.4024, 0.3762, 0.2695



72.4024, 0.4392, 0.4279

Rectangle

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



72.4024, 0.2444, 0.3997



72.4024, 0.1848, 0.2737



72.4024, 0.3762, 0.2695



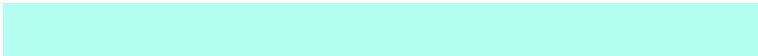
72.4024, 0.4601, 0.3561

Sweetspot

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



72.4052, 0.2444, 0.3997



87.2605, 0.2773, 0.3467



69.1764, 0.3071, 0.5942



18.3860, 0.2729, 0.3496



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.



72.4052, 0.2444, 0.3997



75.7267, 0.2445, 0.4000



39.3025, 0.1980, 0.2325



19.5417, 0.3009, 0.3341



38.4227, 0.2441, 0.3987



3.5738, 0.2415, 0.3893

Inverse Universe

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



20.6046, 0.6072, 0.3121



21.5284, 0.6083, 0.3124



24.8821, 0.6026, 0.3595



17.2856, 0.3260, 0.3240



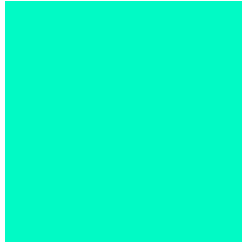
10.9345, 0.6044, 0.3103



1.0276, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 72.4024, 0.2444, 0.3997 looks on a white background.

Color Contrast Check

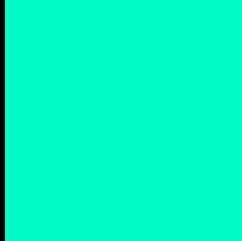
Large Text (above 18pt) WCAG AA × Fail

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 72.4024, 0.2444, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

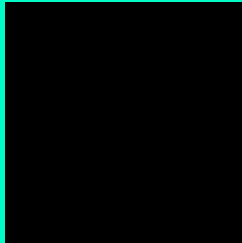
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

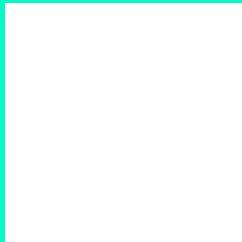
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4024, 0.2444, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 72.4024, 0.2444, 0.3997.



This preview shows how white text looks on a background with the Yxy color 72.4024, 0.2444, 0.3997.

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

72.4089, 0.2444, 0.3997

Protanopia

71.1550, 0.3487, 0.3705

Deuteranopia

70.9072, 0.3427, 0.3364



Tritanopia

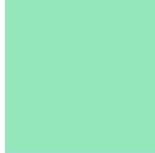
71.9465, 0.2384, 0.3087

Trichromacy



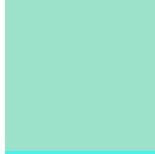
Original Color

72.4089, 0.2444, 0.3997



Protanomaly

66.4774, 0.2857, 0.3838



Deuteranomaly

65.7249, 0.2816, 0.3589



Tritanomaly

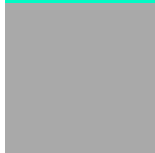
70.8612, 0.2360, 0.3388

Monochromacy



Original Color

72.4089, 0.2444, 0.3997



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.8310, 0.2630, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4024, 0.2444, 0.3997 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, 197)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 197)  
}
```

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, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 197) }
```

Border

The CSS property to change the border of an element to Yxy 72.4024, 0.2444, 0.3997 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, 197) }
```

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

```
.border{ border-color:rgb(1, 250, 197) }
```

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, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 197);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4024, 0.2444, 0.3997 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, 197) }
```

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

```
.background{ background-color: rgb(1, 250,  
197) }
```

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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