

Converting Colors

$Y_{xy}(72.5599, 0.2425, 0.3929)$

Have a look what the booklet for
Yxy(72.5599, 0.2425, 0.3929)
contains.

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Color

Yxy(72.6419, 0.2424, 0.3926)

Conversions

Conversions Part 1

Format	Color
Hex	00FACA
RGB	0, 250, 202
RGB Percent	0%, 98%, 79%
CMY	0.9993, 0.0196, 0.2078
CMYK	1.00, 0.00, 0.19, 0.02
HSL	168°, 100%, 49%
HSV	168°, 100%, 98%
XYZ	44.8507, 72.6419, 67.5351
YIQ	169.7780, -133.5920, -67.9280

Conversions

Conversions Part 2

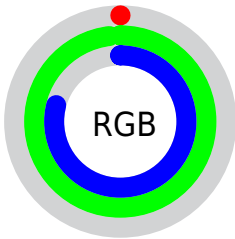
Format	Color
RYB	0, 138, 250
Decimal	64202
CIELab	88.28, -60.20, 9.22
CIELCh	88, 60.904, 171.289
Yxy	72.6419, 0.2424, 0.3926
Android (android.graphics.Color)	4278254282 (0xFF00FACA)
YUV	169.7780, 15.8854, -148.8953
Hunter-Lab	85.2302, -55.2208, 12.6807

Details

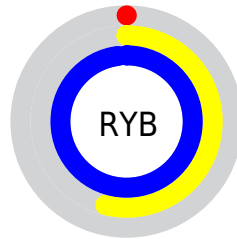
The Yxy color **72.6419, 0.2424, 0.3926** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.5449, 0.6131, 0.3152**, and the grayscale version is **40.0818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **39.8374, 0.2457, 0.4046** is the 20% darker color. If you saturate the color by 10%, you get **72.6421, 0.2424, 0.3926**, and if you desaturate by 10%, it is **73.0836, 0.2418, 0.3856**.

Distribution



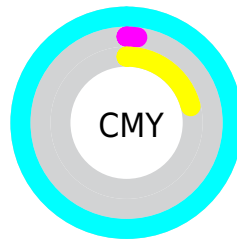
- Red (0%)
- Green (98%)
- Blue (79%)



- Red (0%)
- Yellow (54%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6419, 0.2424, 0.3926 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 72.6419, 0.2424, 0.3926 by changing the saturation by 10% instead.


 72.6419, 0.2424,
0.3926


 72.6419, 0.2424,
0.3926


 469.7728, 0.2752,
0.3622


 53.6832, 0.2349,
0.3998


 122.9687, 0.2538,
0.3818


 38.3484, 0.2256,
0.4088


 155.1056, 0.2582,
0.3777


 26.2532, 0.2139,
0.4204


 192.4040, 0.2620,
0.3742


 17.0132, 0.1986,
0.4358

 235.2484, 0.2654,
0.3711

 10.2439, 0.1780,
0.4573

 284.0230, 0.2683,
0.3685

 5.5610, 0.1491,
0.4890


 339.1124, 0.2708,

 2.5800, 0.0960,

0.3661


0.5464

400.9008, 0.2731,
0.3640


 0.9166, 0.0000,
0.7221


 0.0000, 0.0000,
0.0000


 72.6419, 0.2424,
0.3926


 72.6419, 0.2424,
0.3926


 72.6421, 0.2424,
0.3926


 73.0836, 0.2418,
0.3856


 73.7956, 0.2429,
0.3786

 74.8614, 0.2459,
0.3715


 76.3307, 0.2509,
0.3645

 78.2447, 0.2578,
0.3577

 80.6398, 0.2665,
0.3511

 83.5486, 0.2766,
0.3449

 87.0005, 0.2879,
0.3391

 91.0231, 0.3000,
0.3338

Harmonies

Analogous

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



72.6419, 0.3072, 0.4519



72.6419, 0.2424, 0.3926



72.6419, 0.1996, 0.3149

Triad

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



72.6419, 0.2424, 0.3926



72.6419, 0.2398, 0.2185



72.6419, 0.4584, 0.3778

Complementary

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



72.6419, 0.2424, 0.3926



20.5449, 0.6131, 0.3152

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.



72.6419, 0.4391, 0.3234



72.6419, 0.2424, 0.3926



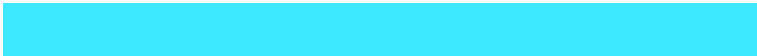
72.6419, 0.3043, 0.2368

Square

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



72.6419, 0.2424, 0.3926



72.6419, 0.1992, 0.2231



72.6419, 0.3796, 0.2739



72.6419, 0.4334, 0.4291

Rectangle

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



72.6419, 0.2424, 0.3926



72.6419, 0.1870, 0.2715



72.6419, 0.3796, 0.2739



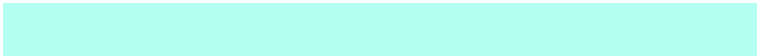
72.6419, 0.4571, 0.3596

Sweetspot

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



72.6447, 0.2424, 0.3926



87.3533, 0.2765, 0.3450



69.0612, 0.3060, 0.5952



18.4084, 0.2721, 0.3476



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.



72.6447, 0.2424, 0.3926



75.9762, 0.2424, 0.3927



37.5872, 0.1962, 0.2262



19.5480, 0.3006, 0.3336



38.5477, 0.2421, 0.3915



3.5844, 0.2398, 0.3831

Inverse Universe

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



20.5449, 0.6131, 0.3152



21.4818, 0.6135, 0.3153



25.3755, 0.5992, 0.3624



17.2797, 0.3264, 0.3245



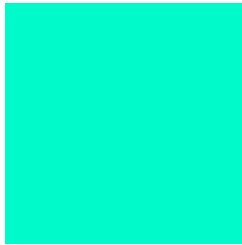
10.9095, 0.6098, 0.3133



1.0244, 0.5788, 0.2962

Previews

White Background



This preview shows how the Yxy color 72.6419, 0.2424, 0.3926 looks on a white background.

Color Contrast Check

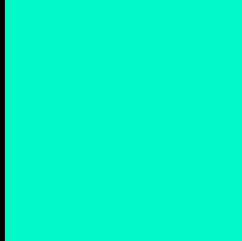
Large Text (above 18pt) WCAG AA × Fail

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 72.6419, 0.2424, 0.3926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

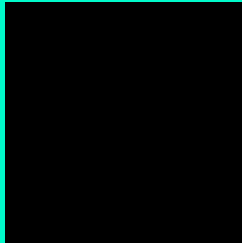
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6419, 0.2424, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 72.6419, 0.2424, 0.3926.



This preview shows how white text looks on a background with the Yxy color 72.6419, 0.2424, 0.3926.

Color Blindness Simulation

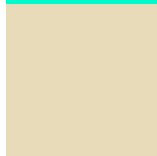
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.6355, 0.2424, 0.3926



Protanopia

71.1971, 0.3443, 0.3651



Deuteranopia

70.9732, 0.3382, 0.3312



Tritanopia

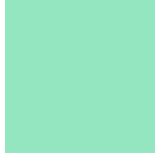
72.0821, 0.2391, 0.3087

Trichromacy



Original Color

72.6355, 0.2424, 0.3926



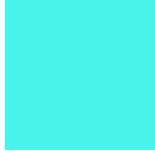
Protanomaly

66.6024, 0.2823, 0.3773



Deuteranomaly

65.8663, 0.2782, 0.3525



Tritanomaly

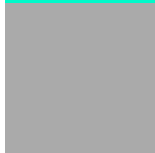
71.0162, 0.2354, 0.3363

Monochromacy



Original Color

72.6355, 0.2424, 0.3926



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.4124, 0.2615, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6419, 0.2424, 0.3926 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, 250, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 202)  
}
```

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, 250, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 202) }
```

Border

The CSS property to change the border of an element to Yxy 72.6419, 0.2424, 0.3926 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, 250, 202) }
```

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

```
.border{ border-color:rgb(0, 250, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 250, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6419, 0.2424, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 250, 202) }
```

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

```
.background{ background-color: rgb(0, 250,  
202) }
```

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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