

Converting Colors

$Y_{xy}(72.5169, 0.2432, 0.3953)$

Have a look what the booklet for
Yxy(72.5169, 0.2432, 0.3953)
contains.

Yxy(72.5478, 0.2432, 0.3954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(72.5478, 0.2432, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	01FAC8
RGB	1, 250, 200
RGB Percent	0%, 98%, 78%
CMY	0.9974, 0.0196, 0.2156
CMYK	1.00, 0.00, 0.20, 0.02
HSL	168°, 99%, 49%
HSV	168°, 100%, 98%
XYZ	44.6222, 72.5478, 66.3095
YIQ	169.8490, -132.3540, -68.3380

Conversions

Conversions Part 2

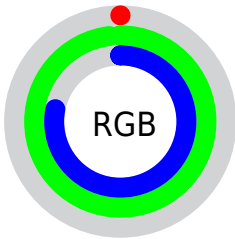
Format	Color
R_{YB}	1, 139, 250
Decimal	129736
CIE Lab	88.23, -60.67, 10.18
CIE LCh	88, 61.519, 170.471
Yxy	72.5478, 0.2432, 0.3954
Android (android.graphics.Color)	4278319816 (0xFF01FAC8)
YUV	169.8490, 14.8644, -148.0806
Hunter-Lab	85.1750, -55.5421, 13.4647

Details

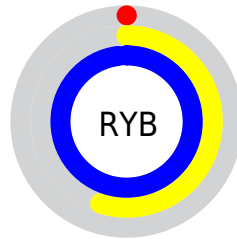
The Yxy color **72.5478, 0.2432, 0.3954** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.5756, 0.6106, 0.3139**, and the grayscale version is **40.0447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **39.7746, 0.2468, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **72.5400, 0.2432, 0.3956**, and if you desaturate by 10%, it is **72.9998, 0.2426, 0.3881**.

Distribution



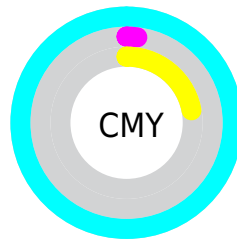
- Red (0%)
- Green (98%)
- Blue (78%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)




- Cyan (100%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5478, 0.2432, 0.3954 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 72.5478, 0.2432, 0.3954 by changing the saturation by 10% instead.


 72.5478, 0.2432,
0.3954


 72.5478, 0.2432,
0.3954


469.4461, 0.2757,
0.3635

 53.6063, 0.2357,
0.4030

 122.8350, 0.2545,
0.3841

 38.2870, 0.2265,
0.4124


 154.9496, 0.2589,
0.3798


 26.2055, 0.2148,
0.4246


 192.2239, 0.2627,
0.3761

 16.9774, 0.1996,
0.4410

 235.0424, 0.2660,
0.3729

 10.2184, 0.1790,
0.4638

 283.7894, 0.2689,
0.3701

 5.5440, 0.1499,
0.4976


338.8495, 0.2714,


 2.5698, 0.0952,

0.3676

0.5596

400.6069, 0.2737,
0.3655


 0.9115, 0.0000,
0.7649

 0.0000, 0.0000,
0.0000


 72.5478, 0.2432,
0.3954


 72.5478, 0.2432,
0.3954


 72.5400, 0.2432,
0.3956


 72.9998, 0.2426,
0.3881


 73.7258, 0.2436,
0.3807


 74.8075, 0.2466,
0.3733


 76.2939, 0.2516,
0.3660

 78.2266, 0.2585,
0.3588

 80.6416, 0.2671,
0.3520

 83.5715, 0.2771,
0.3455

 87.0458, 0.2883,
0.3395

 91.0919, 0.3004,
0.3339

Harmonies

Analogous

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



72.5478, 0.3090, 0.4544



72.5478, 0.2432, 0.3954



72.5478, 0.1994, 0.3166

Triad

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



72.5478, 0.2432, 0.3954



72.5478, 0.2377, 0.2173



72.5478, 0.4599, 0.3766

Complementary

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



72.5478, 0.2432, 0.3954



20.5756, 0.6106, 0.3139

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.



72.5478, 0.4393, 0.3218



72.5478, 0.2432, 0.3954



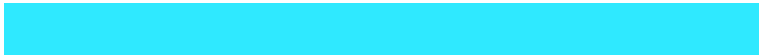
72.5478, 0.3021, 0.2352

Square

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



72.5478, 0.2432, 0.3954



72.5478, 0.1975, 0.2226



72.5478, 0.3782, 0.2721



72.5478, 0.4357, 0.4286

Rectangle

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



72.5478, 0.2432, 0.3954



72.5478, 0.1861, 0.2724



72.5478, 0.3782, 0.2721



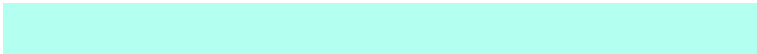
72.5478, 0.4583, 0.3582

Sweetspot

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



72.5506, 0.2432, 0.3954



87.3156, 0.2768, 0.3457



69.1800, 0.3071, 0.5942



18.3993, 0.2724, 0.3484



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.



72.5506, 0.2432, 0.3954



75.8741, 0.2432, 0.3957



39.2920, 0.1980, 0.2325



19.5454, 0.3007, 0.3338



38.4965, 0.2429, 0.3944



3.5801, 0.2405, 0.3856

Inverse Universe

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



20.5756, 0.6106, 0.3139



21.5000, 0.6114, 0.3142



24.8733, 0.6027, 0.3594



17.2821, 0.3262, 0.3243



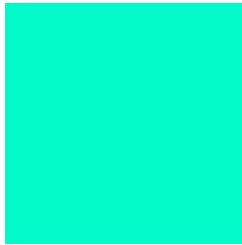
10.9193, 0.6077, 0.3121



1.0257, 0.5762, 0.2948

Previews

White Background



This preview shows how the Yxy color 72.5478, 0.2432, 0.3954 looks on a white background.

Color Contrast Check

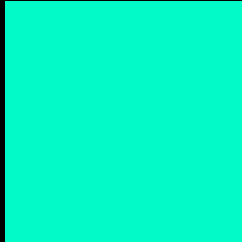
Large Text (above 18pt) WCAG AA × Fail

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 72.5478, 0.2432, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

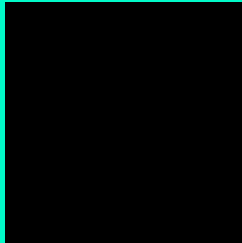
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.5478, 0.2432, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 72.5478, 0.2432, 0.3954.

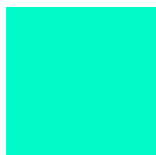


This preview shows how white text looks on a background with the Yxy color 72.5478, 0.2432, 0.3954.

Color Blindness Simulation

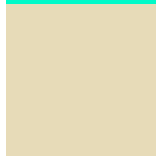
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



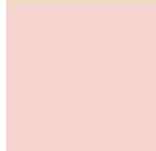
Original Color

72.5478, 0.2432, 0.3954



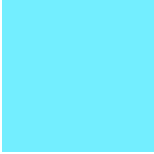
Protanopia

71.1127, 0.3458, 0.3673



Deuteranopia

71.0535, 0.3405, 0.3333



Tritanopia

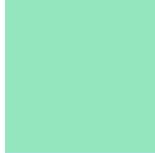
72.0139, 0.2387, 0.3087

Trichromacy



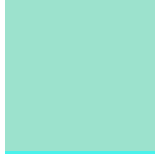
Original Color

72.5478, 0.2432, 0.3954



Protanomaly

66.5144, 0.2834, 0.3799



Deuteranomaly

65.8684, 0.2799, 0.3550



Tritanomaly

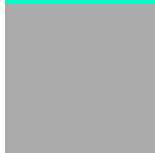
70.9189, 0.2356, 0.3376

Monochromacy



Original Color

72.5478, 0.2432, 0.3954



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.3712, 0.2621, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.5478, 0.2432, 0.3954 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(1, 250, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 250, 200) }
```

Border

The CSS property to change the border of an element to Yxy 72.5478, 0.2432, 0.3954 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, 200) }
```

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

```
.border{ border-color:rgb(1, 250, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 250, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 250, 200);  
box-shadow:4px 4px 4px 4px rgb(1, 250,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 72.5478, 0.2432, 0.3954 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, 200) }
```

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

```
.background{ background-color: rgb(1, 250,  
200) }
```

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