

Converting Colors

$Y_{xy}(72.4622, 0.2431, 0.3943)$

Have a look what the booklet for
Yxy(72.4622, 0.2431, 0.3943)
contains.

Yxy(72.6205, 0.2430, 0.3940)	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(72.6205, 0.2430, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	05FAC9
RGB	5, 250, 201
RGB Percent	2%, 98%, 79%
CMY	0.9805, 0.0196, 0.2118
CMYK	0.98, 0.00, 0.20, 0.02
HSL	168°, 96%, 50%
HSV	168°, 98%, 98%
XYZ	44.7888, 72.6205, 66.9067
YIQ	171.1590, -130.2910, -67.1790

Conversions

Conversions Part 2

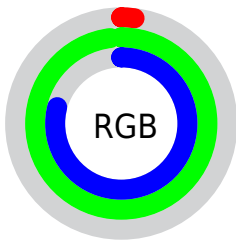
Format	Color
RYB	5, 141, 250
Decimal	391881
CIELab	88.27, -60.34, 9.74
CIELCh	88, 61.118, 170.833
Yxy	72.6205, 0.2430, 0.3940
Android (android.graphics.Color)	4278581961 (0xFF05FAC9)
YUV	171.1590, 14.7116, -145.7214
Hunter-Lab	85.2177, -55.3147, 13.1022

Details

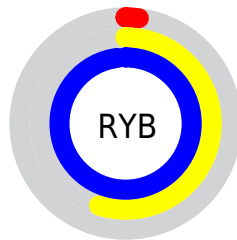
The Yxy color **72.6205, 0.2430, 0.3940** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.6989, 0.6063, 0.3126**, and the grayscale version is **40.7773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **39.8059, 0.2462, 0.4064** is the 20% darker color. If you saturate the color by 10%, you get **72.5447, 0.2432, 0.3954**, and if you desaturate by 10%, it is **73.1060, 0.2426, 0.3867**.

Distribution



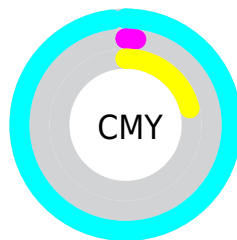
- Red (2%)
- Green (98%)
- Blue (79%)



- Red (2%)
- Yellow (55%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)





- Cyan (98%)
- Magenta (2%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6205, 0.2430, 0.3940 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 72.6205, 0.2430, 0.3940 by changing the saturation by 10% instead.


 72.6205, 0.2430,
0.3940


 72.6205, 0.2430,
0.3940


469.6985, 0.2756,
0.3628


 53.6657, 0.2355,
0.4014


 122.9383, 0.2543,
0.3830


 38.3345, 0.2263,
0.4106


 155.0701, 0.2587,
0.3788


 26.2424, 0.2146,
0.4225


 192.3631, 0.2625,
0.3751

 17.0051, 0.1994,
0.4384

 235.2015, 0.2658,
0.3720

 10.2381, 0.1789,
0.4605

 283.9699, 0.2687,
0.3693

 5.5571, 0.1499,
0.4934


339.0526, 0.2712,

 2.5777, 0.0963,


0.3669


0.5529

400.8340, 0.2735,
0.3647


 0.9155, 0.0000,
0.7436


 0.0000, 0.0000,
0.0000


 72.6205, 0.2430,
0.3940


 72.6205, 0.2430,
0.3940

 72.5447, 0.2432,
0.3954

 73.1060, 0.2426,
0.3867

 73.8886, 0.2439,
0.3793

 75.0361, 0.2473,
0.3720

 76.5960, 0.2526,
0.3647

■ 78.6085, 0.2598,
0.3576

■ 81.1092, 0.2687,
0.3508

■ 84.1299, 0.2790,
0.3444

■ 87.6999, 0.2903,
0.3385

■ 91.8461, 0.3025,
0.3330

Harmonies

Analogous

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



72.6205, 0.3082, 0.4530



72.6205, 0.2430, 0.3940



72.6205, 0.1997, 0.3159

Triad

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



72.6205, 0.2430, 0.3940



72.6205, 0.2388, 0.2180



72.6205, 0.4589, 0.3771

Complementary

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



72.6205, 0.2430, 0.3940



20.6989, 0.6063, 0.3126

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.



72.6205, 0.4389, 0.3225



72.6205, 0.2430, 0.3940



72.6205, 0.3031, 0.2361

Square

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



72.6205, 0.2430, 0.3940



72.6205, 0.1985, 0.2230



72.6205, 0.3787, 0.2730



72.6205, 0.4345, 0.4287

Rectangle

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



72.6205, 0.2430, 0.3940



72.6205, 0.1868, 0.2721



72.6205, 0.3787, 0.2730



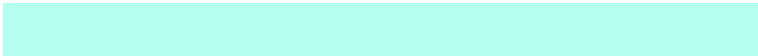
72.6205, 0.4575, 0.3588

Sweetspot

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



72.6233, 0.2430, 0.3940



87.6534, 0.2779, 0.3450



69.2868, 0.3077, 0.5929



18.4632, 0.2734, 0.3477



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.



72.6233, 0.2430, 0.3940



75.8792, 0.2432, 0.3955



39.8104, 0.1987, 0.2343



19.5456, 0.3007, 0.3338



38.4991, 0.2429, 0.3942



3.5803, 0.2404, 0.3855

Inverse Universe

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



20.6989, 0.6063, 0.3126



21.4991, 0.6115, 0.3142



25.2859, 0.5987, 0.3611



17.2820, 0.3262, 0.3243



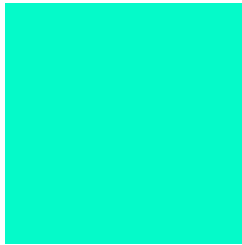
10.9188, 0.6078, 0.3122



1.0256, 0.5763, 0.2949

Previews

White Background



This preview shows how the Yxy color 72.6205, 0.2430, 0.3940 looks on a white background.

Color Contrast Check

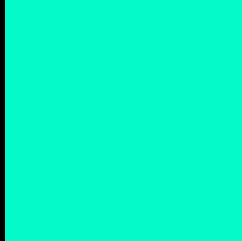
Large Text (above 18pt) WCAG AA × Fail

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 72.6205, 0.2430, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

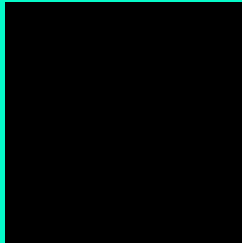
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

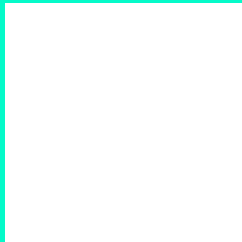
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6205, 0.2430, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 72.6205, 0.2430, 0.3940.

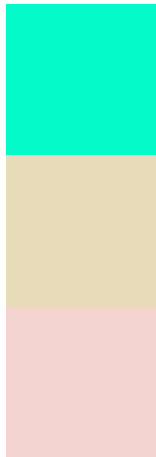


This preview shows how white text looks on a background with the Yxy color 72.6205, 0.2430, 0.3940.

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

72.6205, 0.2430, 0.3940

Protanopia

71.1547, 0.3451, 0.3662

Deuteranopia

70.9235, 0.3390, 0.3322



Tritanopia

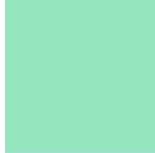
72.0821, 0.2391, 0.3087

Trichromacy



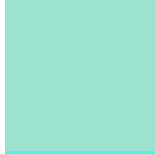
Original Color

72.6205, 0.2430, 0.3940



Protanomaly

66.7448, 0.2840, 0.3784



Deuteranomaly

66.0170, 0.2799, 0.3537



Tritanomaly

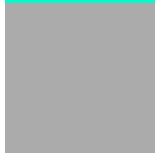
71.0389, 0.2363, 0.3375

Monochromacy



Original Color

72.6205, 0.2430, 0.3940



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

48.0655, 0.2634, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6205, 0.2430, 0.3940 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(5, 250, 201)` looks like.

```
.text, #text, p{  
    color:rgb(5, 250, 201)  
}
```

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(5, 250, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 250, 201) }
```

Border

The CSS property to change the border of an element to Yxy 72.6205, 0.2430, 0.3940 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(5, 250, 201) }
```

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

```
.border{ border-color:rgb(5, 250, 201) }
```

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

Here you see how a box with a 4 pixel rgb(5, 250, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 250, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 250, 201);  
box-shadow:4px 4px 4px 4px rgb(5, 250,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6205, 0.2430, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 250, 201) }
```

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

```
.background{ background-color: rgb(5, 250,  
201) }
```

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