

Converting Colors

$Y_{xy}(72.2408, 0.2383, 0.3883)$

Have a look what the booklet for
Yxy(72.2408, 0.2383, 0.3883)
contains.

Yxy(72.7790, 0.2412, 0.3883)	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(72.7790, 0.2412, 0.3883)

Conversions

Conversions Part 1

Format	Color
Hex	00FACD
RGB	0, 250, 205
RGB Percent	0%, 98%, 80%
CMY	0.9998, 0.0196, 0.1959
CMYK	1.00, 0.00, 0.18, 0.02
HSL	169°, 100%, 49%
HSV	169°, 100%, 98%
XYZ	45.2081, 72.7790, 69.4427
YIQ	170.1200, -134.5550, -66.9950

Conversions

Conversions Part 2

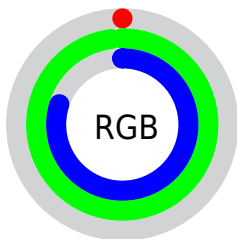
Format	Color
RYB	0, 137, 250
Decimal	64205
CIELab	88.34, -59.45, 7.75
CIElCh	88, 59.956, 172.577
Yxy	72.7790, 0.2412, 0.3883
Android (android.graphics.Color)	4278254285 (0xFF00FACD)
YUV	170.1200, 17.1958, -149.1952
Hunter-Lab	85.3106, -54.7023, 11.4554

Details

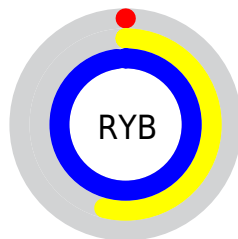
The Yxy color **72.7790, 0.2412, 0.3883** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.5147, 0.6162, 0.3168**, and the grayscale version is **40.2329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **39.9336, 0.2442, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **72.7812, 0.2412, 0.3883**, and if you desaturate by 10%, it is **73.2091, 0.2408, 0.3818**.

Distribution



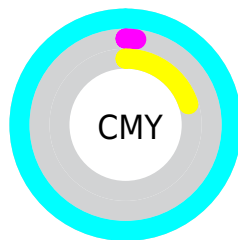
- Red (0%)
- Green (98%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7790, 0.2412, 0.3883 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 72.7790, 0.2412, 0.3883 by changing the saturation by 10% instead.


 72.7790, 0.2412,
0.3883


 72.7790, 0.2412,
0.3883

470.2485, 0.2744,
0.3601

 53.7953, 0.2336,
0.3949


 123.1634, 0.2527,
0.3784

 38.4380, 0.2243,
0.4032


 155.3329, 0.2572,
0.3745

 26.3228, 0.2125,
0.4138


 192.6664, 0.2611,
0.3713

 17.0653, 0.1972,
0.4279

 235.5484, 0.2644,
0.3684

 10.2811, 0.1767,
0.4474

 284.3632, 0.2674,
0.3659

 5.5857, 0.1479,
0.4759


339.4952, 0.2700,

 2.5948, 0.0971,

0.3638

0.5265


401.3288, 0.2723,
0.3618


 0.9241, 0.0000,
0.6657

 0.0000, 0.0000,
0.0000


 72.7790, 0.2412,
0.3883


 72.7790, 0.2412,
0.3883


 72.7812, 0.2412,
0.3883

 73.2091, 0.2408,
0.3818

 73.9078, 0.2419,
0.3753


 74.9592, 0.2450,
0.3687


 76.4128, 0.2501,
0.3622

 78.3101, 0.2571,
0.3558

 80.6874, 0.2659,
0.3497

 83.5772, 0.2761,
0.3439

 87.0090, 0.2875,
0.3385

 91.0104, 0.2998,
0.3335

Harmonies

Analogous

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



72.7790, 0.3045, 0.4481



72.7790, 0.2412, 0.3883



72.7790, 0.2001, 0.3122

Triad

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



72.7790, 0.2412, 0.3883



72.7790, 0.2432, 0.2203



72.7790, 0.4559, 0.3797

Complementary

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



72.7790, 0.2412, 0.3883



20.5147, 0.6162, 0.3168

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.



72.7790, 0.4388, 0.3259



72.7790, 0.2412, 0.3883



72.7790, 0.3076, 0.2393

Square

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



72.7790, 0.2412, 0.3883



72.7790, 0.2020, 0.2239



72.7790, 0.3816, 0.2766



72.7790, 0.4299, 0.4297

Rectangle

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



72.7790, 0.2412, 0.3883



72.7790, 0.1884, 0.2702



72.7790, 0.3816, 0.2766



72.7790, 0.4553, 0.3617

Sweetspot

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



72.7818, 0.2412, 0.3883



87.4093, 0.2760, 0.3439



68.9500, 0.3051, 0.5959



18.4219, 0.2715, 0.3463



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.



72.7818, 0.2412, 0.3883



76.1297, 0.2412, 0.3884



35.9707, 0.1945, 0.2200



19.5519, 0.3004, 0.3333



38.6245, 0.2409, 0.3872



3.5908, 0.2387, 0.3794

Inverse Universe

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



20.5147, 0.6162, 0.3168



21.4563, 0.6164, 0.3169



25.9445, 0.5952, 0.3656



17.2762, 0.3266, 0.3248



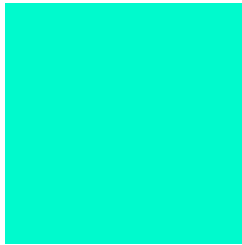
10.8957, 0.6129, 0.3150



1.0226, 0.5825, 0.2982

Previews

White Background



This preview shows how the Yxy color 72.7790, 0.2412, 0.3883 looks on a white background.

Color Contrast Check

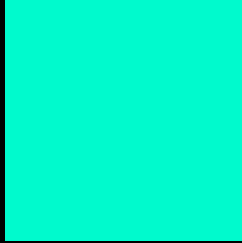
Large Text (above 18pt) WCAG AA × Fail

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 72.7790, 0.2412, 0.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

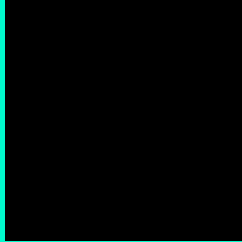
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

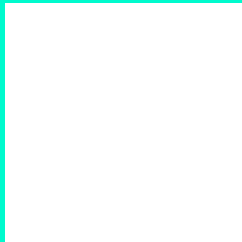
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7790, 0.2412, 0.3883

Background



This preview shows how black text looks on a background with the Yxy color 72.7790, 0.2412, 0.3883.

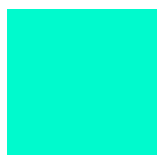


This preview shows how white text looks on a background with the Yxy color 72.7790, 0.2412, 0.3883.

Color Blindness Simulation

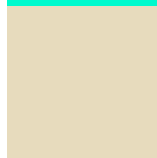
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



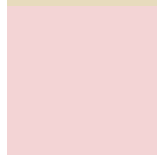
Original Color

72.7790, 0.2412, 0.3883



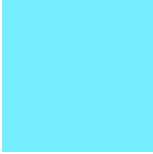
Protanopia

71.3261, 0.3422, 0.3618



Deuteranopia

70.9457, 0.3353, 0.3280



Tritanopia

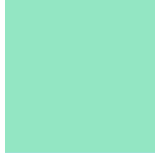
72.1510, 0.2395, 0.3087

Trichromacy



Original Color

72.7790, 0.2412, 0.3883



Protanomaly

66.7368, 0.2807, 0.3733



Deuteranomaly

66.0144, 0.2765, 0.3487



Tritanomaly

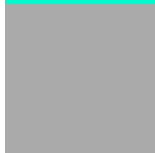
71.0745, 0.2350, 0.3350

Monochromacy



Original Color

72.7790, 0.2412, 0.3883



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.4539, 0.2610, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7790, 0.2412, 0.3883 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(0, 250, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 250, 205) }
```

Border

The CSS property to change the border of an element to Yxy 72.7790, 0.2412, 0.3883 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, 205) }
```

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

```
.border{ border-color:rgb(0, 250, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 250, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 250, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 250,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7790, 0.2412, 0.3883 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, 205) }
```

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

```
.background{ background-color: rgb(0, 250,  
205) }
```

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