

Converting Colors

$Y_{xy}(75.1394, 0.2430, 0.3937)$

Have a look what the booklet for
Yxy(75.1394, 0.2430, 0.3937)
contains.

Yxy(75.2884, 0.2432, 0.3943)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.2884, 0.2432, 0.3943)

Conversions

Conversions Part 1

Format	Color
Hex	08FECC
RGB	8, 254, 204
RGB Percent	3%, 100%, 80%
CMY	0.9691, 0.0039, 0.2000
CMYK	0.97, 0.00, 0.20, 0.00
HSL	168°, 99%, 51%
HSV	168°, 97%, 100%
XYZ	46.4371, 75.2884, 69.2164
YIQ	174.7460, -130.5660, -67.7020

Conversions

Conversions Part 2

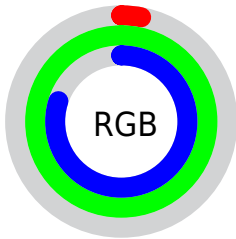
Format	Color
RYB	8, 145, 254
Decimal	589516
CIELab	89.53, -61.06, 9.98
CIElCh	90, 61.869, 170.720
Yxy	75.2884, 0.2432, 0.3943
Android (android.graphics.Color)	4278779596 (0xFF08FECC)
YUV	174.7460, 14.4222, -146.2362
Hunter-Lab	86.7689, -56.3157, 13.4420

Details

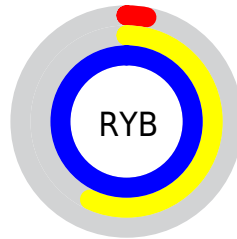
The Yxy color **75.2884, 0.2432, 0.3943** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.5452, 0.6028, 0.3113**, and the grayscale version is **42.6862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **41.6819, 0.2463, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **75.1640, 0.2435, 0.3966**, and if you desaturate by 10%, it is **75.8202, 0.2429, 0.3869**.

Distribution



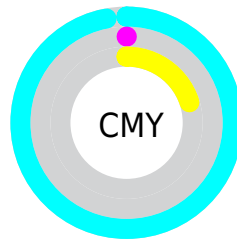
- Red (3%)
- Green (100%)
- Blue (80%)



- Red (3%)
- Yellow (57%)
- Blue (100%)



- Cyan (97%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (97%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2884, 0.2432, 0.3943 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 75.2884, 0.2432, 0.3943 by changing the saturation by 10% instead.


 75.2884, 0.2432,
0.3943


 75.2884, 0.2432,
0.3943


478.9083, 0.2755,
0.3632

 55.8492, 0.2358,
0.4016


 126.7205, 0.2544,
0.3833


 40.0820, 0.2268,
0.4108


 159.4822, 0.2587,
0.3791


 27.6025, 0.2153,
0.4225


 197.4535, 0.2625,
0.3755

 18.0262, 0.2005,
0.4381

 241.0189, 0.2658,
0.3724

 10.9688, 0.1806,
0.4597

 290.5626, 0.2686,
0.3696

 6.0459, 0.1527,
0.4914


346.4692, 0.2712,

 2.8730, 0.1070,


0.3672


0.5449


409.1229, 0.2734,
0.3651


 1.0658, 0.0000,
0.7027

 0.0000, 0.0000,
0.0000


 75.2884, 0.2432,
0.3943


 75.2884, 0.2432,
0.3943

 75.1640, 0.2435,
0.3966

 75.8202, 0.2429,
0.3869

 76.6723, 0.2444,
0.3794

 77.9091, 0.2480,
0.3719

 79.5791, 0.2535,
0.3645

■ 81.7236, 0.2609,
0.3573

■ 84.3790, 0.2699,
0.3504

■ 87.5780, 0.2803,
0.3440

■ 91.3508, 0.2917,
0.3380

■ 95.7252, 0.3040,
0.3325

Harmonies

Analogous

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



75.2884, 0.3085, 0.4531



75.2884, 0.2432, 0.3943



75.2884, 0.1998, 0.3162

Triad

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



75.2884, 0.2432, 0.3943



75.2884, 0.2386, 0.2180



75.2884, 0.4590, 0.3769

Complementary

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



75.2884, 0.2432, 0.3943



21.5452, 0.6028, 0.3113

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.



75.2884, 0.4388, 0.3223



75.2884, 0.2432, 0.3943



75.2884, 0.3029, 0.2360

Square

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



75.2884, 0.2432, 0.3943



75.2884, 0.1984, 0.2230



75.2884, 0.3784, 0.2729



75.2884, 0.4347, 0.4285

Rectangle

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



75.2884, 0.2432, 0.3943



75.2884, 0.1868, 0.2723



75.2884, 0.3784, 0.2729



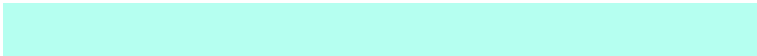
75.2884, 0.4575, 0.3586

Sweetspot

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



75.2913, 0.2432, 0.3943



87.6399, 0.2780, 0.3453



71.8963, 0.3081, 0.5920



18.4600, 0.2735, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

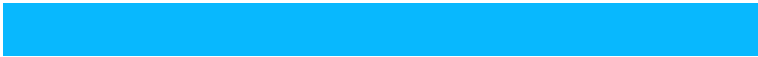
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.2913, 0.2432, 0.3943



75.8418, 0.2435, 0.3966



41.5970, 0.1991, 0.2354



20.4145, 0.3007, 0.3339



39.6511, 0.2432, 0.3954



3.8759, 0.2408, 0.3869

Inverse Universe

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



21.5452, 0.6028, 0.3113



21.5060, 0.6108, 0.3138



26.4815, 0.5963, 0.3621



18.0474, 0.3262, 0.3242



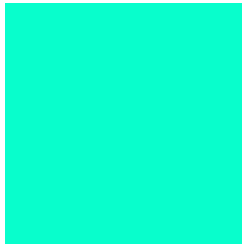
11.2543, 0.6072, 0.3118



1.1105, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 75.2884, 0.2432, 0.3943 looks on a white background.

Color Contrast Check

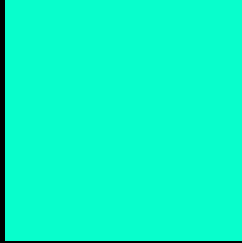
Large Text (above 18pt) WCAG AA × Fail

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 75.2884, 0.2432, 0.3943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

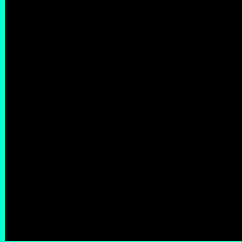
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

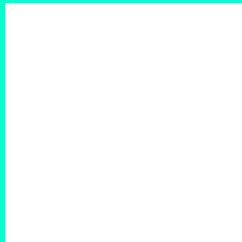
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.2884, 0.2432, 0.3943

Background



This preview shows how black text looks on a background with the Yxy color 75.2884, 0.2432, 0.3943.

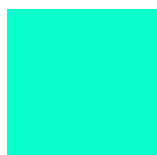


This preview shows how white text looks on a background with the Yxy color 75.2884, 0.2432, 0.3943.

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



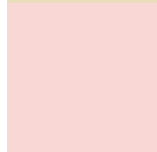
Original Color

75.2949, 0.2432, 0.3943



Protanopia

73.5356, 0.3454, 0.3657



Deuteranopia

73.3108, 0.3394, 0.3322



Tritanopia

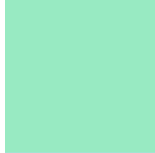
74.7744, 0.2473, 0.3115

Trichromacy



Original Color

75.2949, 0.2432, 0.3943



Protanomaly

69.4161, 0.2844, 0.3789



Deuteranomaly

68.2191, 0.2809, 0.3533



Tritanomaly

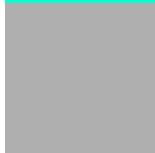
73.4848, 0.2401, 0.3399

Monochromacy



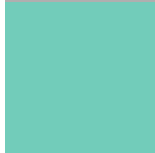
Original Color

75.2949, 0.2432, 0.3943



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.3083, 0.2635, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2884, 0.2432, 0.3943 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(8, 254, 204)` looks like.

```
.text, #text, p{  
    color:rgb(8, 254, 204)  
}
```

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(8, 254, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 254, 204) }
```

Border

The CSS property to change the border of an element to Yxy 75.2884, 0.2432, 0.3943 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(8, 254, 204) }
```

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

```
.border{ border-color:rgb(8, 254, 204) }
```

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

Here you see how a box with a 4 pixel rgb(8, 254, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 254, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 254, 204);  
box-shadow:4px 4px 4px 4px rgb(8, 254,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2884, 0.2432, 0.3943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 254, 204) }
```

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

```
.background{ background-color: rgb(8, 254,  
204) }
```

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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