

Converting Colors

$Y_{xy}(72.9761, 0.2275, 0.3391)$

Have a look what the booklet for
Yxy(72.9761, 0.2275, 0.3391)
contains.

Yxy(72.7535, 0.2275, 0.3388)	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(72.7535, 0.2275, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	01F7EF
RGB	1, 247, 239
RGB Percent	0%, 97%, 94%
CMY	0.9947, 0.0314, 0.0627
CMYK	0.99, 0.00, 0.03, 0.03
HSL	178°, 99%, 49%
HSV	178°, 99%, 97%
XYZ	48.8531, 72.7535, 93.1322
YIQ	172.5340, -144.0480, -54.6400

Conversions

Conversions Part 2

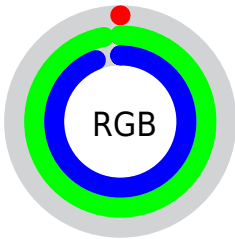
Format	Color
R_{YB}	1, 126, 247
Decimal	129007
CIE Lab	88.33, -49.18, -9.97
CIE LCh	88, 50.182, 191.460
Yxy	72.7535, 0.2275, 0.3388
Android (android.graphics.Color)	4278319087 (0xFF01F7EF)
YUV	172.5340, 32.7677, -150.4353
Hunter-Lab	85.2957, -47.0316, -5.0303

Details

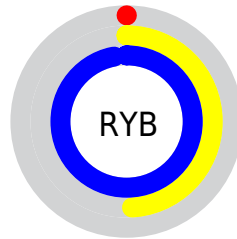
The Yxy color **72.7535, 0.2275, 0.3388** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8220, 0.6370, 0.3287**, and the grayscale version is **41.4773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **40.2458, 0.2278, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **72.7449, 0.2275, 0.3389**, and if you desaturate by 10%, it is **73.0153, 0.2284, 0.3378**.

Distribution



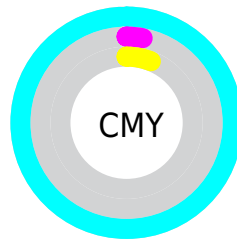
- Red (0%)
- Green (97%)
- Blue (94%)



- Red (0%)
- Yellow (49%)
- Blue (97%)



- Cyan (99%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)





- Cyan (99%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7535, 0.2275, 0.3388 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 72.7535, 0.2275, 0.3388 by changing the saturation by 10% instead.

 72.7535, 0.2275,
0.3388


 72.7535, 0.2275,
0.3388


470.1600, 0.2659,
0.3354


 53.7744, 0.2191,
0.3393


 123.1272, 0.2406,
0.3378

 38.4214, 0.2088,
0.3398


 155.2906, 0.2457,
0.3374

 26.3099, 0.1961,
0.3402


 192.6176, 0.2502,
0.3370

 17.0556, 0.1800,
0.3403

 235.4926, 0.2541,
0.3366

 10.2741, 0.1592,
0.3397

284.2999, 0.2576,
0.3363

 5.5811, 0.1314,
0.3376

339.4240, 0.2606,

 2.5921, 0.0931,

0.3360

401.2493, 0.2634,
0.3357

0.3314

■ 0.9227, 0.0000,
0.3263

■ 0.0000, 0.0000,
0.0000

■ 72.7535, 0.2275,
0.3388

■ 72.7535, 0.2275,
0.3388

■ 72.7449, 0.2275,
0.3389

■ 73.0153, 0.2284,
0.3378

■ 73.5401, 0.2309,
0.3367

■ 74.4046, 0.2352,
0.3356

■ 75.6565, 0.2414,
0.3345

■ 77.3355, 0.2496,
0.3335

■ 79.4766, 0.2596,
0.3325

■ 82.1111, 0.2713,
0.3315

■ 85.2676, 0.2843,
0.3306

■ 88.9726, 0.2985,
0.3297

Harmonies

Analogous

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



72.7535, 0.2714, 0.3994



72.7535, 0.2275, 0.3388



72.7535, 0.2065, 0.2823

Triad

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



72.7535, 0.2275, 0.3388



72.7535, 0.2870, 0.2438



72.7535, 0.4241, 0.4018

Complementary

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



72.7535, 0.2275, 0.3388



19.8220, 0.6370, 0.3287

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.



72.7535, 0.4320, 0.3572



72.7535, 0.2275, 0.3388



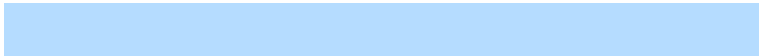
72.7535, 0.3483, 0.2710

Square

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



72.7535, 0.2275, 0.3388



72.7535, 0.2381, 0.2346



72.7535, 0.4036, 0.3110



72.7535, 0.3853, 0.4336

Rectangle

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



72.7535, 0.2275, 0.3388



72.7535, 0.2063, 0.2559



72.7535, 0.4036, 0.3110



72.7535, 0.4307, 0.3877

Sweetspot

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



72.7562, 0.2275, 0.3388



88.1051, 0.2705, 0.3316



66.5797, 0.3005, 0.5993



18.5907, 0.2654, 0.3320



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.



72.7562, 0.2275, 0.3388



78.2176, 0.2275, 0.3389



23.3228, 0.1798, 0.1671



18.7480, 0.2985, 0.3297



38.4804, 0.2274, 0.3387



3.3849, 0.2270, 0.3374

Inverse Universe

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



19.8220, 0.6370, 0.3287



21.2782, 0.6378, 0.3287



32.2614, 0.5522, 0.3994



16.4912, 0.3289, 0.3283



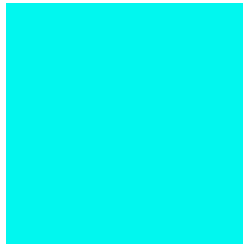
10.4712, 0.6367, 0.3281



0.9233, 0.6281, 0.3234

Previews

White Background



This preview shows how the Yxy color 72.7535, 0.2275, 0.3388 looks on a white background.

Color Contrast Check

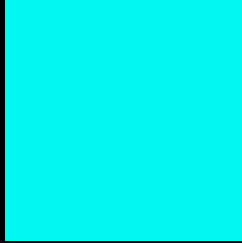
Large Text (above 18pt) WCAG AA × Fail

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 72.7535, 0.2275, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

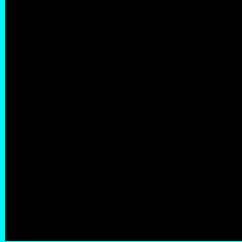
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

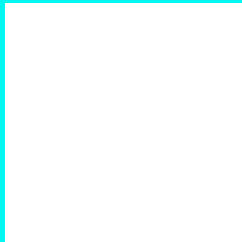
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.7535, 0.2275, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 72.7535, 0.2275, 0.3388.

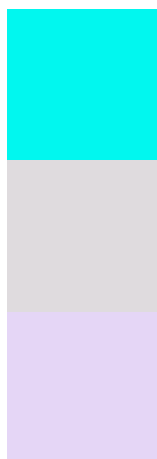


This preview shows how white text looks on a background with the Yxy color 72.7535, 0.2275, 0.3388.

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

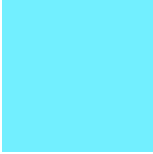
72.7600, 0.2275, 0.3388

Protanopia

71.6249, 0.3136, 0.3258

Deuteranopia

71.4050, 0.3022, 0.2956



Tritanopia

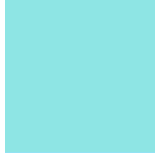
72.5304, 0.2386, 0.3099

Trichromacy



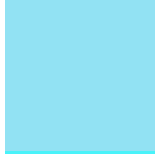
Original Color

72.7600, 0.2275, 0.3388



Protanomaly

67.3908, 0.2605, 0.3301



Deuteranomaly

66.9748, 0.2545, 0.3086



Tritanomaly

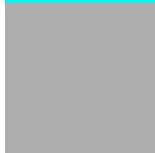
71.7603, 0.2302, 0.3202

Monochromacy



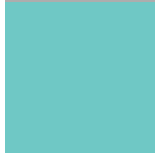
Original Color

72.7600, 0.2275, 0.3388



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

48.7193, 0.2549, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7535, 0.2275, 0.3388 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, 247, 239)` looks like.

```
.text, #text, p{  
    color:rgb(1, 247, 239)  
}
```

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, 247, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 247, 239) }
```

Border

The CSS property to change the border of an element to Yxy 72.7535, 0.2275, 0.3388 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, 247, 239) }
```

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

```
.border{ border-color:rgb(1, 247, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 247, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 247, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 247, 239);  
box-shadow:4px 4px 4px 4px rgb(1, 247,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7535, 0.2275, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 247, 239) }
```

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

```
.background{ background-color: rgb(1, 247,  
239) }
```

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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