

Converting Colors

$Y_{xy}(76.7859, 0.2364, 0.3710)$

Have a look what the booklet for
Yxy(76.7859, 0.2364, 0.3710)
contains.

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Color

Yxy(76.7939, 0.2363, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	00FFDE
RGB	0, 255, 222
RGB Percent	0%, 100%, 87%
CMY	1.0000, 0.0000, 0.1293
CMYK	1.00, 0.00, 0.13, 0.00
HSL	172°, 100%, 50%
HSV	172°, 100%, 100%
XYZ	48.9385, 76.7939, 81.3709
YIQ	174.9930, -141.3870, -64.3230

Conversions

Conversions Part 2

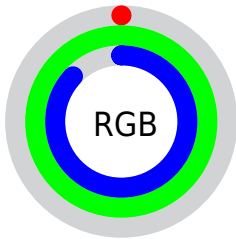
Format	Color
RYB	0, 136, 255
Decimal	65502
CIELab	90.23, -57.12, 1.65
CIELCh	90, 57.147, 178.342
Yxy	76.7939, 0.2363, 0.3708
Android (android.graphics.Color)	4278255582 (0xFF00FFDE)
YUV	174.9930, 23.1745, -153.4689
Hunter-Lab	87.6321, -53.6722, 6.2887

Details

The Yxy color **76.7939, 0.2363, 0.3708** 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 **21.3696, 0.6266, 0.3225**, and the grayscale version is **42.8002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.7225, 0.2383, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **76.7956, 0.2363, 0.3708**, and if you desaturate by 10%, it is **77.1872, 0.2364, 0.3663**.

Distribution



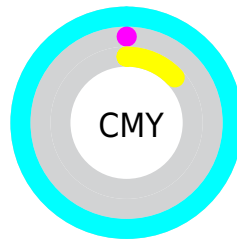
- Red (0%)
- Green (100%)
- Blue (87%)



- Red (0%)
- Yellow (53%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7939, 0.2363, 0.3708 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 76.7939, 0.2363, 0.3708 by changing the saturation by 10% instead.

 76.7939, 0.2363,
0.3708


 76.7939, 0.2363,
0.3708


484.0610, 0.2710,
0.3517


 57.0837, 0.2286,
0.3751


 128.8485, 0.2482,
0.3642


 41.0725, 0.2191,
0.3804


 161.9617, 0.2529,
0.3616


 28.3757, 0.2074,
0.3870


 200.3115, 0.2569,
0.3594

 18.6091, 0.1924,
0.3955

 244.2820, 0.2604,
0.3575

 11.3881, 0.1726,
0.4068

 294.2579, 0.2635,
0.3558

 6.3285, 0.1457,
0.4224


350.6234, 0.2663,


 3.0459, 0.1073,


0.3542


0.4453


413.7630, 0.2688,
0.3529


 1.1557, 0.0000,
0.5067


 0.0251, 0.0000,
1.0000


 76.7939, 0.2363,
0.3708


 76.7939, 0.2363,
0.3708

 76.7956, 0.2363,
0.3708

 77.1872, 0.2364,
0.3663

 77.8600, 0.2379,
0.3617

 78.8988, 0.2414,
0.3571

 80.3556, 0.2469,
0.3525

■ 82.2739, 0.2542,
0.3481

■ 84.6918, 0.2634,
0.3438

■ 87.6435, 0.2741,
0.3397

■ 91.1599, 0.2861,
0.3358

■ 95.2698, 0.2991,
0.3322

Harmonies

Analogous

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



76.7939, 0.2931, 0.4319



76.7939, 0.2363, 0.3708



76.7939, 0.2020, 0.3014

Triad

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



76.7939, 0.2363, 0.3708



76.7939, 0.2576, 0.2281



76.7939, 0.4455, 0.3874

Complementary

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



76.7939, 0.2363, 0.3708



21.3696, 0.6266, 0.3225

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.



76.7939, 0.4371, 0.3364



76.7939, 0.2363, 0.3708



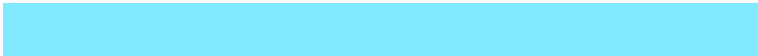
76.7939, 0.3214, 0.2498

Square

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



76.7939, 0.2363, 0.3708



76.7939, 0.2138, 0.2273



76.7939, 0.3896, 0.2881



76.7939, 0.4149, 0.4319

Rectangle

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



76.7939, 0.2363, 0.3708



76.7939, 0.1942, 0.2649



76.7939, 0.3896, 0.2881



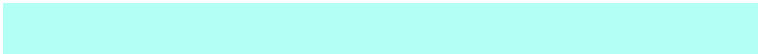
76.7939, 0.4474, 0.3706

Sweetspot

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



76.7956, 0.2363, 0.3708



87.6435, 0.2741, 0.3397



71.8601, 0.3029, 0.5977



18.4786, 0.2694, 0.3414



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.



76.7956, 0.2363, 0.3708



32.8848, 0.1894, 0.2016



20.4387, 0.2997, 0.3321



40.1432, 0.2361, 0.3700



3.9194, 0.2347, 0.3648

Inverse Universe

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



21.3696, 0.6266, 0.3225



29.1768, 0.5823, 0.3759



18.0253, 0.3274, 0.3260



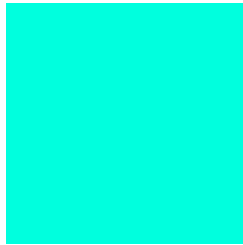
11.1778, 0.6239, 0.3211



1.0997, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 76.7939, 0.2363, 0.3708 looks on a white background.

Color Contrast Check

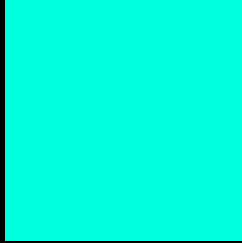
Large Text (above 18pt) WCAG AA × Fail

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 76.7939, 0.2363, 0.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

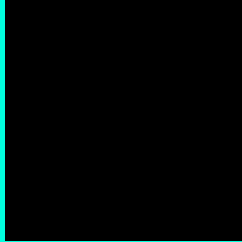
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

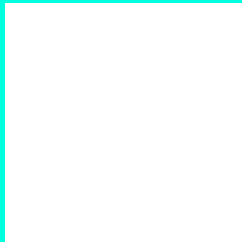
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7939, 0.2363, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 76.7939, 0.2363, 0.3708.

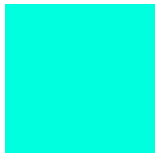


This preview shows how white text looks on a background with the Yxy color 76.7939, 0.2363, 0.3708.

Color Blindness Simulation

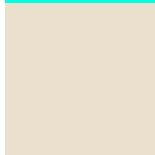
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



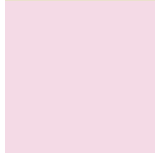
Original Color

76.7939, 0.2363, 0.3708



Protanopia

75.2115, 0.3326, 0.3493



Deuteranopia

75.0891, 0.3234, 0.3167



Tritanopia

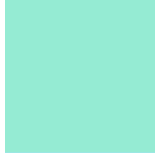
76.1503, 0.2514, 0.3128

Trichromacy



Original Color

76.7939, 0.2363, 0.3708



Protanomaly

70.5094, 0.2737, 0.3583



Deuteranomaly

69.6664, 0.2680, 0.3337



Tritanomaly

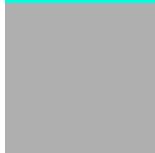
74.6579, 0.2384, 0.3324

Monochromacy



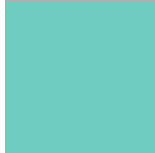
Original Color

76.7939, 0.2363, 0.3708



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.3710, 0.2586, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7939, 0.2363, 0.3708 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, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 222)  
}
```

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, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 76.7939, 0.2363, 0.3708 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, 255, 222) }
```

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

```
.border{ border-color:rgb(0, 255, 222) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
222) }
```

Background

The CSS property to change the background color of an element to Yxy 76.7939, 0.2363, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 222) }
```

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

```
.background{ background-color: rgb(0, 255,  
222) }
```

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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