

Converting Colors

$Y_{xy}(77.6442, 0.2308, 0.3509)$

Have a look what the booklet for
Yxy(77.6442, 0.2308, 0.3509)
contains.

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Color

$\text{Yxy}(77.6344, 0.2309, 0.3511)$

Conversions

Conversions Part 1

Format	Color
Hex	01FFED
RGB	1, 255, 237
RGB Percent	0%, 100%, 93%
CMY	0.9963, 0.0000, 0.0705
CMYK	1.00, 0.00, 0.07, 0.00
HSL	176°, 100%, 50%
HSV	176°, 100%, 100%
XYZ	51.0561, 77.6344, 92.4272
YIQ	177.0020, -145.6060, -59.4460

Conversions

Conversions Part 2

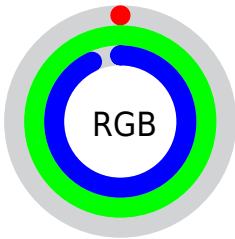
Format	Color
R _Y B	1, 133, 255
Decimal	131053
CIE Lab	90.61, -53.09, -5.55
CIE LCh	91, 53.379, 185.973
Yxy	77.6344, 0.2309, 0.3511
Android (android.graphics.Color)	4278321133 (0xFF01FFED)
YUV	177.0020, 29.5790, -154.3538
Hunter-Lab	88.1104, -50.7603, -0.5175

Details

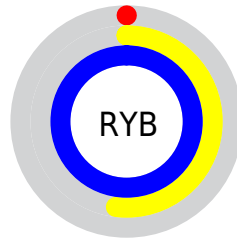
The Yxy color **77.6344, 0.2309, 0.3511** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3258, 0.6340, 0.3269**, and the grayscale version is **43.8551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **43.2687, 0.2317, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **77.6274, 0.2309, 0.3512**, and if you desaturate by 10%, it is **77.9627, 0.2315, 0.3487**.

Distribution



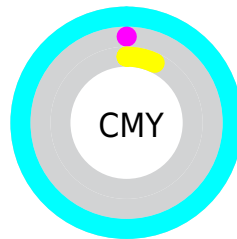
- Red (0%)
- Green (100%)
- Blue (93%)



- Red (0%)
- Yellow (52%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.6344, 0.2309, 0.3511 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 77.6344, 0.2309, 0.3511 by changing the saturation by 10% instead.

 77.6344, 0.2309,
0.3511


 77.6344, 0.2309,
0.3511


486.9243, 0.2675,
0.3418

 57.7737, 0.2229,
0.3530


 130.0346, 0.2433,
0.3480

 41.6267, 0.2131,
0.3553


 163.3429, 0.2483,
0.3468

 28.8091, 0.2011,
0.3579


 201.9025, 0.2525,
0.3457

 18.9365, 0.1859,
0.3611

 246.0979, 0.2563,
0.3447

 11.6244, 0.1661,
0.3649

296.3133, 0.2596,
0.3439

 6.4885, 0.1397,
0.3691

352.9333, 0.2625,

 3.1443, 0.1036,

0.3431

0.3731

416.3422, 0.2652,
0.3424

■ 1.2075, 0.0000,
0.3946

■ 0.0678, 0.0000,
0.1280

■ 77.6344, 0.2309,
0.3511

■ 77.6344, 0.2309,
0.3511

■ 77.6274, 0.2309,
0.3512

■ 77.9627, 0.2315,
0.3487

■ 78.5728, 0.2336,
0.3463

■ 79.5485, 0.2376,
0.3439

■ 80.9415, 0.2435,
0.3415

■ 82.7950, 0.2514,
0.3391

■ 85.1470, 0.2611,
0.3369

■ 88.0313, 0.2724,
0.3347

■ 91.4790, 0.2850,
0.3326

■ 95.5186, 0.2988,
0.3307

Harmonies

Analogous

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



77.6344, 0.2799, 0.4123



77.6344, 0.2309, 0.3511



77.6344, 0.2047, 0.2896

Triad

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



77.6344, 0.2309, 0.3511



77.6344, 0.2752, 0.2375



77.6344, 0.4326, 0.3962

Complementary

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



77.6344, 0.2309, 0.3511



21.3258, 0.6340, 0.3269

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.



77.6344, 0.4343, 0.3489



77.6344, 0.2309, 0.3511



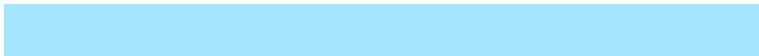
77.6344, 0.3377, 0.2626

Square

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



77.6344, 0.2309, 0.3511



77.6344, 0.2283, 0.2317



77.6344, 0.3983, 0.3019



77.6344, 0.3970, 0.4333

Rectangle

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



77.6344, 0.2309, 0.3511



77.6344, 0.2015, 0.2593



77.6344, 0.3983, 0.3019



77.6344, 0.4374, 0.3810

Sweetspot

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



77.6373, 0.2309, 0.3511



87.9205, 0.2719, 0.3347



71.6897, 0.3014, 0.5987



18.5458, 0.2670, 0.3356



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.



77.6373, 0.2309, 0.3511



77.6320, 0.2309, 0.3512



28.7640, 0.1845, 0.1841



20.4580, 0.2990, 0.3307



40.5738, 0.2308, 0.3508



3.9569, 0.2300, 0.3481

Inverse Universe

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



21.3258, 0.6340, 0.3269



21.3038, 0.6346, 0.3269



31.7334, 0.5674, 0.3874



18.0079, 0.3283, 0.3274



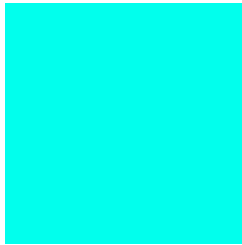
11.1393, 0.6328, 0.3260



1.0915, 0.6166, 0.3171

Previews

White Background



This preview shows how the Yxy color 77.6344, 0.2309, 0.3511 looks on a white background.

Color Contrast Check

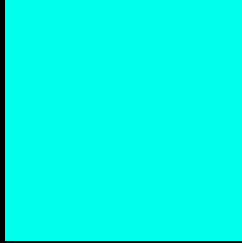
Large Text (above 18pt) WCAG AA × Fail

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 77.6344, 0.2309, 0.3511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

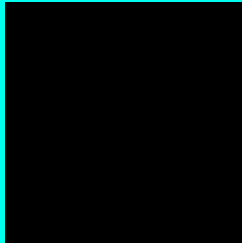
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

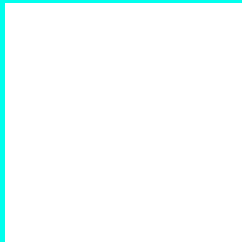
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6344, 0.2309, 0.3511

Background



This preview shows how black text looks on a background with the Yxy color 77.6344, 0.2309, 0.3511.

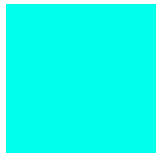


This preview shows how white text looks on a background with the Yxy color 77.6344, 0.2309, 0.3511.

Color Blindness Simulation

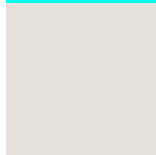
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



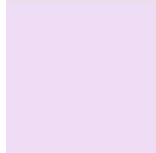
Original Color

77.6409, 0.2309, 0.3511



Protanopia

76.0067, 0.3202, 0.3343



Deuteranopia

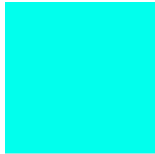
76.1297, 0.3097, 0.3036



Tritanopia

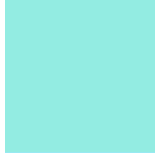
76.6146, 0.2536, 0.3129

Trichromacy



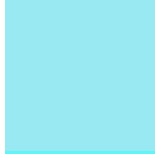
Original Color

77.6409, 0.2309, 0.3511



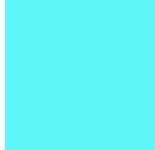
Protanomaly

71.6849, 0.2651, 0.3409



Deuteranomaly

71.3640, 0.2592, 0.3183



Tritanomaly

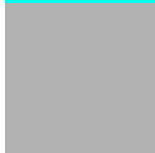
75.1756, 0.2376, 0.3264

Monochromacy



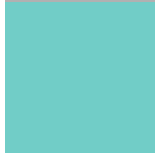
Original Color

77.6409, 0.2309, 0.3511



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.2969, 0.2560, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6344, 0.2309, 0.3511 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, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 237)  
}
```

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, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 77.6344, 0.2309, 0.3511 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, 255, 237) }
```

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

```
.border{ border-color:rgb(1, 255, 237) }
```

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

Here you see how a box with a 4 pixel rgb(1, 255, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6344, 0.2309, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 237) }
```

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

```
.background{ background-color: rgb(1, 255,  
237) }
```

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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