

Converting Colors

$Y_{xy}(100.0000, 0.2293, 0.4021)$

Have a look what the booklet for
Yxy(100.0000, 0.2293, 0.4021)
contains.

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Color

Yxy(77.2895, 0.2330, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	00FFE7
RGB	0, 255, 231
RGB Percent	0%, 100%, 91%
CMY	1.0000, 0.0000, 0.0941
CMYK	1.00, 0.00, 0.09, 0.00
HSL	174°, 100%, 50%
HSV	174°, 100%, 100%
XYZ	50.1768, 77.2895, 87.8848
YIQ	176.0190, -144.2760, -61.5240

Conversions

Conversions Part 2

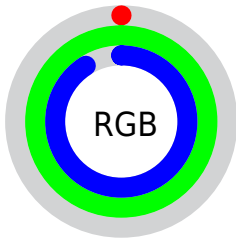
Format	Color
RYB	0, 134, 255
Decimal	65511
CIELab	90.45, -54.75, -2.67
CIELCh	90, 54.819, 182.794
Yxy	77.2895, 0.2330, 0.3589
Android (android.graphics.Color)	4278255591 (0xFF00FFE7)
YUV	176.0190, 27.1056, -154.3687
Hunter-Lab	87.9144, -51.9722, 2.2701

Details

The Yxy color **77.2895, 0.2330, 0.3589** 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 **21.3259, 0.6319, 0.3254**, and the grayscale version is **43.3395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **77.2904, 0.2330, 0.3589**, and if you desaturate by 10%, it is **77.6399, 0.2334, 0.3557**.

Distribution



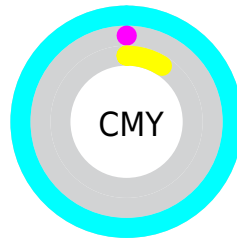
- Red (0%)
- Green (100%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2895, 0.2330, 0.3589 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 77.2895, 0.2330, 0.3589 by changing the saturation by 10% instead.


 77.2895, 0.2330,
0.3589

 77.2895, 0.2330,
0.3589


485.7505, 0.2689,
0.3457


 57.4905, 0.2251,
0.3617


 129.5481, 0.2452,
0.3545


 41.3992, 0.2155,
0.3652


 162.7764, 0.2500,
0.3527

 28.6311, 0.2035,
0.3693


 201.2500, 0.2542,
0.3512

 18.8020, 0.1884,
0.3746

 245.3533, 0.2579,
0.3498

 11.5273, 0.1686,
0.3812

295.4705, 0.2611,
0.3486

 6.4227, 0.1421,
0.3897

351.9862, 0.2640,

 3.1037, 0.1053,

0.3475

0.4006

415.2848, 0.2666,
0.3466

■ 1.1861, 0.0000,
0.4364

■ 0.0503, 0.0000,
0.1724

■ 77.2895, 0.2330,
0.3589

■ 77.2895, 0.2330,
0.3589


■ 77.2904, 0.2330,
0.3589

■ 77.6399, 0.2334,
0.3557


■ 78.2690, 0.2352,
0.3524

■ 79.2625, 0.2390,
0.3492


■ 80.6723, 0.2447,
0.3459

 82.5420, 0.2523,
0.3427

 84.9097, 0.2618,
0.3396

 87.8094, 0.2728,
0.3367

 91.2722, 0.2852,
0.3339

 95.3269, 0.2986,
0.3313

Harmonies

Analogous

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



77.2895, 0.2852, 0.4203



77.2895, 0.2330, 0.3589



77.2895, 0.2035, 0.2942

Triad

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



77.2895, 0.2330, 0.3589



77.2895, 0.2681, 0.2337



77.2895, 0.4379, 0.3928

Complementary

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



77.2895, 0.2330, 0.3589



21.3259, 0.6319, 0.3254

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.



77.2895, 0.4356, 0.3439



77.2895, 0.2330, 0.3589



77.2895, 0.3312, 0.2574

Square

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



77.2895, 0.2330, 0.3589



77.2895, 0.2223, 0.2299



77.2895, 0.3950, 0.2963



77.2895, 0.4043, 0.4329

Rectangle

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



77.2895, 0.2330, 0.3589



77.2895, 0.1985, 0.2615



77.2895, 0.3950, 0.2963



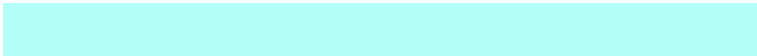
77.2895, 0.4415, 0.3768

Sweetspot

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



77.2904, 0.2330, 0.3589



87.8094, 0.2728, 0.3367



71.7331, 0.3018, 0.5985



18.5188, 0.2680, 0.3379



0.0000, 0.0000, 0.0000



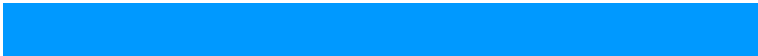
21.4041, 0.3127, 0.3290

Same Dimension

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



77.2904, 0.2330, 0.3589



30.0025, 0.1860, 0.1895



20.4503, 0.2993, 0.3312



40.3980, 0.2329, 0.3584



3.9416, 0.2319, 0.3547

Inverse Universe

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



21.3259, 0.6319, 0.3254



30.7627, 0.5730, 0.3833



18.0148, 0.3280, 0.3268



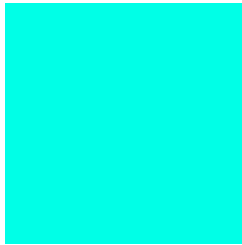
11.1524, 0.6297, 0.3243



1.0948, 0.6094, 0.3131

Previews

White Background



This preview shows how the Yxy color 77.2895, 0.2330, 0.3589 looks on a white background.

Color Contrast Check

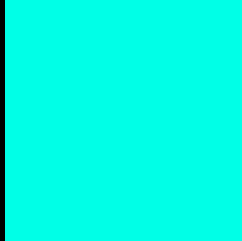
Large Text (above 18pt) WCAG AA × Fail

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 77.2895, 0.2330, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

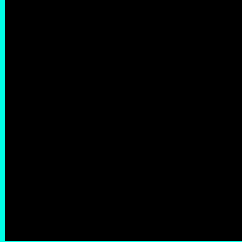
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

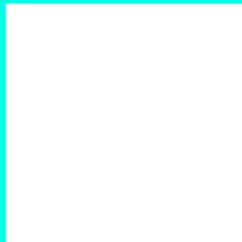
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2895, 0.2330, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 77.2895, 0.2330, 0.3589.

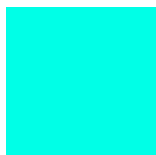


This preview shows how white text looks on a background with the Yxy color 77.2895, 0.2330, 0.3589.

Color Blindness Simulation

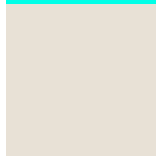
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



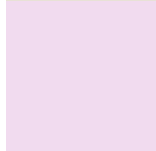
Original Color

77.2895, 0.2330, 0.3589



Protanopia

75.8613, 0.3249, 0.3407



Deuteranopia

75.5958, 0.3151, 0.3086



Tritanopia

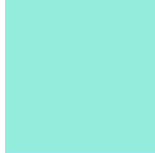
76.4265, 0.2527, 0.3129

Trichromacy



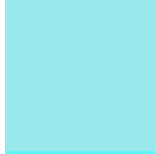
Original Color

77.2895, 0.2330, 0.3589



Protanomaly

71.4541, 0.2687, 0.3483



Deuteranomaly

70.5417, 0.2625, 0.3241



Tritanomaly

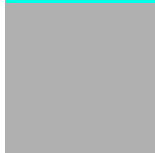
74.9450, 0.2378, 0.3288

Monochromacy



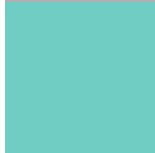
Original Color

77.2895, 0.2330, 0.3589



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

51.0929, 0.2572, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2895, 0.2330, 0.3589 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.2895, 0.2330, 0.3589 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, 231) }
```

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

```
.border{ border-color:rgb(0, 255, 231) }
```

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, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
231) }
```

Background

The CSS property to change the background color of an element to Yxy 77.2895, 0.2330, 0.3589 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, 231) }
```

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

```
.background{ background-color: rgb(0, 255,  
231) }
```

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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