

Converting Colors

$Y_{xy}(77.1425, 0.2340, 0.3623)$

Have a look what the booklet for
Yxy(77.1425, 0.2340, 0.3623)
contains.

Yxy(77.1279, 0.2342, 0.3628)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1279, 0.2342, 0.3628)

Conversions

Conversions Part 1

Format	Color
Hex	02FFE4
RGB	2, 255, 228
RGB Percent	1%, 100%, 89%
CMY	0.9913, 0.0000, 0.1058
CMYK	0.99, 0.00, 0.11, 0.00
HSL	174°, 100%, 50%
HSV	174°, 99%, 100%
XYZ	49.7887, 77.1279, 85.6740
YIQ	176.2750, -142.1210, -62.0330

Conversions

Conversions Part 2

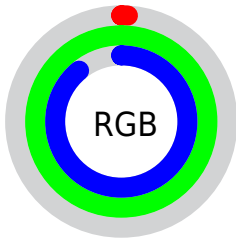
Format	Color
R _Y B	2, 136, 255
Decimal	196580
CIE Lab	90.38, -55.48, -1.23
CIE LCh	90, 55.492, 181.266
Yxy	77.1279, 0.2342, 0.3628
Android (android.graphics.Color)	4278386660 (0xFF02FFE4)
YUV	176.2750, 25.5004, -152.8392
Hunter-Lab	87.8225, -52.4933, 3.6362

Details

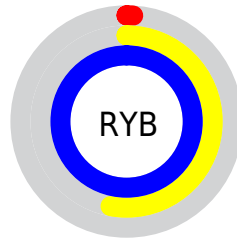
The Yxy color **77.1279, 0.2342, 0.3628** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.3960, 0.6286, 0.3242**, and the grayscale version is **43.5206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **42.9496, 0.2355, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **77.1034, 0.2342, 0.3631**, and if you desaturate by 10%, it is **77.5118, 0.2345, 0.3591**.

Distribution



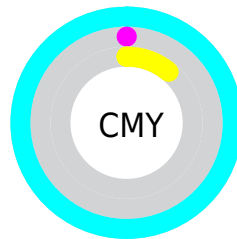
- Red (1%)
- Green (100%)
- Blue (89%)



- Red (1%)
- Yellow (53%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1279, 0.2342, 0.3628 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 77.1279, 0.2342, 0.3628 by changing the saturation by 10% instead.


 77.1279, 0.2342,
0.3628


 77.1279, 0.2342,
0.3628


485.2000, 0.2696,
0.3477

 57.3579, 0.2264,
0.3661

 129.3200, 0.2463,
0.3577


 41.2926, 0.2168,
0.3701


 162.5109, 0.2511,
0.3556

 28.5478, 0.2050,
0.3751


 200.9441, 0.2552,
0.3539

 18.7390, 0.1899,
0.3814

 245.0041, 0.2588,
0.3523

 11.4818, 0.1701,
0.3895

295.0753, 0.2620,
0.3510

 6.3919, 0.1435,
0.4003

351.5421, 0.2648,

 3.0848, 0.1063,

0.3497

0.4149

414.7889, 0.2674,
0.3487

■ 1.1762, 0.0000,
0.4589

■ 0.0421, 0.0000,
0.2425

■ 77.1279, 0.2342,
0.3628

■ 77.1279, 0.2342,
0.3628

■ 77.1034, 0.2342,
0.3631

■ 77.5118, 0.2345,
0.3591

■ 78.1863, 0.2364,
0.3554

■ 79.2308, 0.2402,
0.3517

■ 80.6961, 0.2460,
0.3480

■ 82.6253, 0.2537,
0.3443

■ 85.0561, 0.2632,
0.3408

■ 88.0223, 0.2743,
0.3375

■ 91.5546, 0.2866,
0.3343

■ 95.6816, 0.2999,
0.3314

Harmonies

Analogous

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



77.1279, 0.2879, 0.4240



77.1279, 0.2342, 0.3628



77.1279, 0.2032, 0.2966

Triad

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



77.1279, 0.2342, 0.3628



77.1279, 0.2646, 0.2319



77.1279, 0.4403, 0.3909

Complementary

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



77.1279, 0.2342, 0.3628



21.3960, 0.6286, 0.3242

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.



77.1279, 0.4359, 0.3414



77.1279, 0.2342, 0.3628



77.1279, 0.3279, 0.2549

Square

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



77.1279, 0.2342, 0.3628



77.1279, 0.2196, 0.2291



77.1279, 0.3931, 0.2936



77.1279, 0.4077, 0.4325

Rectangle

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



77.1279, 0.2342, 0.3628



77.1279, 0.1972, 0.2627



77.1279, 0.3931, 0.2936



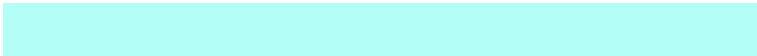
77.1279, 0.4433, 0.3747

Sweetspot

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



77.1308, 0.2342, 0.3628



87.7496, 0.2733, 0.3377



71.8213, 0.3025, 0.5976



18.5043, 0.2685, 0.3391



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.



77.1308, 0.2342, 0.3628



77.1098, 0.2342, 0.3631



31.7196, 0.1881, 0.1968



20.4461, 0.2994, 0.3315



40.3050, 0.2340, 0.3625



3.9335, 0.2329, 0.3583

Inverse Universe

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



21.3960, 0.6286, 0.3242



21.3401, 0.6301, 0.3245



30.2083, 0.5757, 0.3804



18.0186, 0.3278, 0.3265



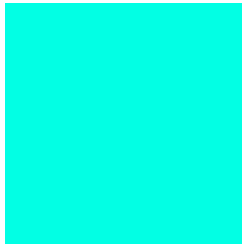
11.1608, 0.6278, 0.3232



1.0965, 0.6056, 0.3110

Previews

White Background



This preview shows how the Yxy color 77.1279, 0.2342, 0.3628 looks on a white background.

Color Contrast Check

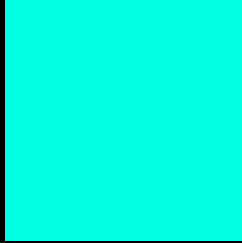
Large Text (above 18pt) WCAG AA × Fail

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 77.1279, 0.2342, 0.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

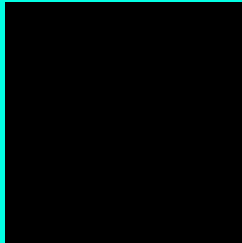
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1279, 0.2342, 0.3628

Background



This preview shows how black text looks on a background with the Yxy color 77.1279, 0.2342, 0.3628.

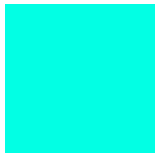


This preview shows how white text looks on a background with the Yxy color 77.1279, 0.2342, 0.3628.

Color Blindness Simulation

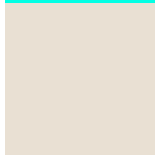
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



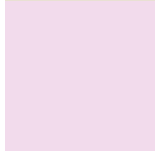
Original Color

77.1343, 0.2342, 0.3628



Protanopia

75.3381, 0.3278, 0.3429



Deuteranopia

75.5964, 0.3178, 0.3116



Tritanopia

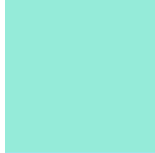
76.3336, 0.2522, 0.3129

Trichromacy



Original Color

77.1343, 0.2342, 0.3628



Protanomaly

70.8160, 0.2706, 0.3508



Deuteranomaly

70.5650, 0.2651, 0.3277



Tritanomaly

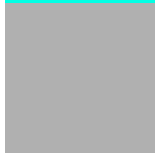
74.8838, 0.2382, 0.3300

Monochromacy



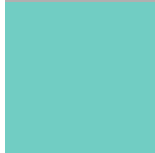
Original Color

77.1343, 0.2342, 0.3628



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

51.1135, 0.2582, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1279, 0.2342, 0.3628 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(2, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(2, 255, 228)  
}
```

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(2, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 77.1279, 0.2342, 0.3628 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(2, 255, 228) }
```

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

```
.border{ border-color:rgb(2, 255, 228) }
```

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

Here you see how a box with a 4 pixel rgb(2, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(2, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1279, 0.2342, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 255, 228) }
```

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

```
.background{ background-color: rgb(2, 255,  
228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor