

Converting Colors

$Y_{xy}(68.5237, 0.1677, 0.3697)$

Have a look what the booklet for
Yxy(68.5237, 0.1677, 0.3697)
contains.

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Color

Yxy(77.1771, 0.2338, 0.3615)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01FFE5 |
| RGB | 1, 255, 229 |
| RGB Percent | 0%, 100%, 90% |
| CMY | 0.9953, 0.0000, 0.1019 |
| CMYK | 1.00, 0.00, 0.10, 0.00 |
| HSL | 174°, 100%, 50% |
| HSV | 174°, 100%, 100% |
| XYZ | 49.9143, 77.1771, 86.3999 |
| YIQ | 176.0900, -143.0380, -61.9340 |

Conversions

Conversions Part 2

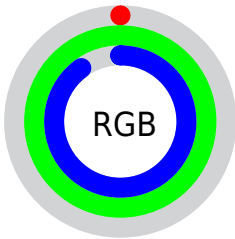
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 1, 135, 255 |
| Decimal | 131045 |
| CIE Lab | 90.40, -55.24, -1.71 |
| CIE LCh | 90, 55.264, 181.770 |
| Yxy | 77.1771, 0.2338, 0.3615 |
| Android (android.graphics.Color) | 4278321125 (0xFF01FFE5) |
| YUV | 176.0900, 26.0846, -153.5539 |
| Hunter-Lab | 87.8505, -52.3195, 3.1843 |

Details

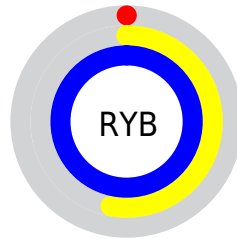
The Yxy color **77.1771, 0.2338, 0.3615** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.3645, 0.6299, 0.3247**, and the grayscale version is **43.4137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **42.9885, 0.2350, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **77.1654, 0.2338, 0.3617**, and if you desaturate by 10%, it is **77.5482, 0.2341, 0.3580**.

Distribution



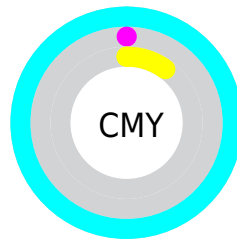
- Red (0%)
- Green (100%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1771, 0.2338, 0.3615 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 77.1771, 0.2338, 0.3615 by changing the saturation by 10% instead.


 77.1771, 0.2338,
0.3615

 77.1771, 0.2338,
0.3615


485.3676, 0.2694,
0.3470

 57.3982, 0.2259,
0.3647


 129.3894, 0.2459,
0.3566


 41.3251, 0.2164,
0.3685

 162.5917, 0.2507,
0.3547

 28.5732, 0.2045,
0.3732

 201.0373, 0.2549,
0.3530

 18.7582, 0.1894,
0.3791

 245.1104, 0.2585,
0.3515

 11.4957, 0.1696,
0.3867

295.1957, 0.2617,
0.3502

 6.4013, 0.1430,
0.3968

351.6774, 0.2646,

 3.0906, 0.1059,

0.3490

0.4101

414.9399, 0.2671,
0.3480

■ 1.1792, 0.0000,
0.4513

■ 0.0446, 0.0000,
0.2100

■ 77.1771, 0.2338,
0.3615

■ 77.1771, 0.2338,
0.3615

■ 77.1654, 0.2338,
0.3617

■ 77.5482, 0.2341,
0.3580


■ 78.2038, 0.2360,
0.3544

■ 79.2268, 0.2398,
0.3509


■ 80.6687, 0.2455,
0.3473

 82.5727, 0.2532,
0.3438

 84.9767, 0.2626,
0.3405

 87.9145, 0.2737,
0.3372

 91.4172, 0.2860,
0.3342

 95.5132, 0.2993,
0.3314

Harmonies

Analogous

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



77.1771, 0.2870, 0.4228



77.1771, 0.2338, 0.3615



77.1771, 0.2033, 0.2958

Triad

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



77.1771, 0.2338, 0.3615



77.1771, 0.2658, 0.2325



77.1771, 0.4395, 0.3915

Complementary

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



77.1771, 0.2338, 0.3615



21.3645, 0.6299, 0.3247

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.



77.1771, 0.4358, 0.3422



77.1771, 0.2338, 0.3615



77.1771, 0.3290, 0.2557

Square

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



77.1771, 0.2338, 0.3615



77.1771, 0.2205, 0.2294



77.1771, 0.3937, 0.2945



77.1771, 0.4066, 0.4326

Rectangle

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



77.1771, 0.2338, 0.3615



77.1771, 0.1976, 0.2623



77.1771, 0.3937, 0.2945



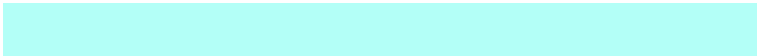
77.1771, 0.4427, 0.3754

Sweetspot

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



77.1800, 0.2338, 0.3615



87.7700, 0.2731, 0.3374



71.8056, 0.3024, 0.5978



18.5093, 0.2683, 0.3387



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.



77.1800, 0.2338, 0.3615



77.1712, 0.2338, 0.3617



31.5808, 0.1879, 0.1962



20.4475, 0.2994, 0.3314



40.3366, 0.2336, 0.3611



3.9363, 0.2325, 0.3570

Inverse Universe

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



21.3645, 0.6299, 0.3247



21.3351, 0.6307, 0.3248



30.0881, 0.5766, 0.3800



18.0173, 0.3278, 0.3266



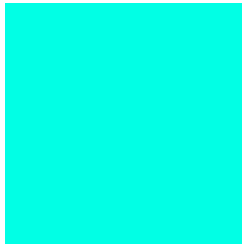
11.1578, 0.6285, 0.3236



1.0959, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 77.1771, 0.2338, 0.3615 looks on a white background.

Color Contrast Check

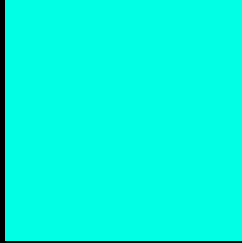
Large Text (above 18pt) WCAG AA × Fail

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 77.1771, 0.2338, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

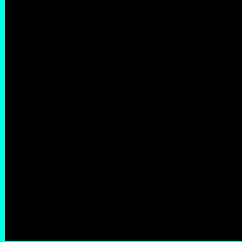
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1771, 0.2338, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 77.1771, 0.2338, 0.3615.

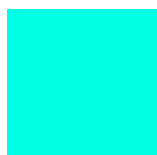


This preview shows how white text looks on a background with the Yxy color 77.1771, 0.2338, 0.3615.

Color Blindness Simulation

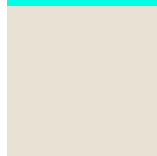
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



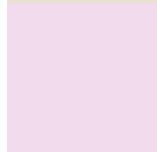
Original Color

77.1836, 0.2338, 0.3615



Protanopia

75.9275, 0.3270, 0.3428



Deuteranopia

75.6547, 0.3171, 0.3106



Tritanopia

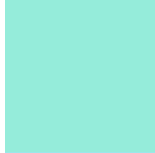
76.4265, 0.2527, 0.3129

Trichromacy



Original Color

77.1836, 0.2338, 0.3615



Protanomaly

71.4424, 0.2702, 0.3507



Deuteranomaly

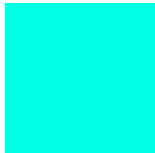
70.5238, 0.2640, 0.3265



Tritanomaly

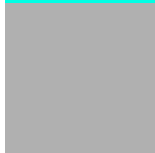
74.9983, 0.2381, 0.3288

Monochromacy



Original Color

77.1836, 0.2338, 0.3615



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

51.0475, 0.2577, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1771, 0.2338, 0.3615 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 77.1771, 0.2338, 0.3615 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, 229) }
```

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

```
.border{ border-color:rgb(1, 255, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1771, 0.2338, 0.3615 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, 229) }
```

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

```
.background{ background-color: rgb(1, 255,  
229) }
```

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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