

Converting Colors

$Y_{xy}(100.0000, 0.2448, 0.3941)$

Have a look what the booklet for
Yxy(100.0000, 0.2448, 0.3941)
contains.

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Color

Yxy(77.6828, 0.2353, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	25FFE7
RGB	37, 255, 231
RGB Percent	15%, 100%, 91%
CMY	0.8535, 0.0000, 0.0940
CMYK	0.85, 0.00, 0.09, 0.00
HSL	173°, 100%, 57%
HSV	173°, 85%, 100%
XYZ	50.9584, 77.6828, 87.9264
YIQ	187.0820, -122.2240, -53.6800

Conversions

Conversions Part 2

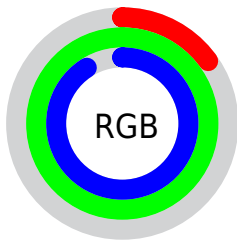
Format	Color
RYB	37, 152, 255
Decimal	2490343
CIELab	90.63, -53.44, -2.39
CIELCh	91, 53.497, 182.562
Yxy	77.6828, 0.2353, 0.3587
Android (android.graphics.Color)	4280680423 (0xFF25FFE7)
YUV	187.0820, 21.6516, -131.6219
Hunter-Lab	88.1378, -51.0385, 2.5487

Details

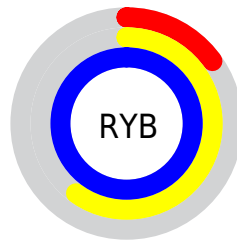
The Yxy color **77.6828, 0.2353, 0.3587** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.9446, 0.5911, 0.3172**, and the grayscale version is **49.7325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **77.2055, 0.2345, 0.3625**, and if you desaturate by 10%, it is **78.4979, 0.2379, 0.3548**.

Distribution



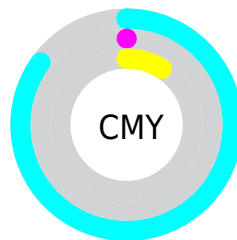
- Red (15%)
- Green (100%)
- Blue (91%)



- Red (15%)
- Yellow (60%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6828, 0.2353, 0.3587 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 77.6828, 0.2353, 0.3587 by changing the saturation by 10% instead.

 77.6828, 0.2353,
0.3587

 77.6828, 0.2353,
0.3587


487.0889, 0.2702,
0.3456


 57.8134, 0.2276,
0.3615


 130.1029, 0.2472,
0.3543


 41.6587, 0.2183,
0.3650


 163.4224, 0.2519,
0.3525

 28.8341, 0.2066,
0.3692


 201.9941, 0.2559,
0.3510

 18.9554, 0.1919,
0.3744

 246.2023, 0.2595,
0.3496

 11.6380, 0.1726,
0.3811

296.4315, 0.2626,
0.3484

 6.4977, 0.1466,
0.3899


353.0661, 0.2654,


 3.1500, 0.1104,


0.3474


0.4012


416.4904, 0.2679,
0.3464


 1.2105, 0.0000,
0.4409


 0.0703, 0.0000,
0.2239


 77.6828, 0.2353,
0.3587


 77.6828, 0.2353,
0.3587


 77.2055, 0.2345,
0.3625

 78.4979, 0.2379,
0.3548

 77.0559, 0.2345,
0.3643


 79.7005, 0.2424,
0.3510


 81.3413, 0.2489,
0.3472


 83.4609, 0.2573,
0.3434

 86.0953, 0.2674,
0.3399

 89.2773, 0.2789,
0.3365

 93.0366, 0.2916,
0.3333

 97.4011, 0.3052,
0.3304

 99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



77.6828, 0.2865, 0.4180



77.6828, 0.2353, 0.3587



77.6828, 0.2062, 0.2957

Triad

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



77.6828, 0.2353, 0.3587



77.6828, 0.2688, 0.2357



77.6828, 0.4349, 0.3912

Complementary

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



77.6828, 0.2353, 0.3587



22.9446, 0.5911, 0.3172

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.



77.6828, 0.4322, 0.3434



77.6828, 0.2353, 0.3587



77.6828, 0.3303, 0.2588

Square

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



77.6828, 0.2353, 0.3587



77.6828, 0.2242, 0.2322



77.6828, 0.3924, 0.2968



77.6828, 0.4026, 0.4302

Rectangle

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



77.6828, 0.2353, 0.3587



77.6828, 0.2010, 0.2636



77.6828, 0.3924, 0.2968



77.6828, 0.4383, 0.3757

Sweetspot

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



77.6858, 0.2353, 0.3587



89.0591, 0.2781, 0.3367



72.6993, 0.3059, 0.5833



18.8155, 0.2740, 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.



77.6858, 0.2353, 0.3587



77.0615, 0.2345, 0.3643



36.9598, 0.1965, 0.2169



20.4450, 0.2995, 0.3316



40.2801, 0.2344, 0.3636



3.9314, 0.2331, 0.3593

Inverse Universe

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



22.9446, 0.5911, 0.3172



21.3442, 0.6296, 0.3242



35.0170, 0.5413, 0.3917



18.0196, 0.3277, 0.3264



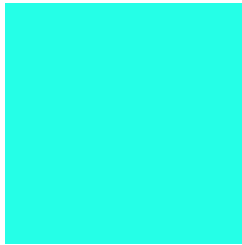
11.1632, 0.6272, 0.3229



1.0970, 0.6045, 0.3104

Previews

White Background



This preview shows how the Yxy color 77.6828, 0.2353, 0.3587 looks on a white background.

Color Contrast Check

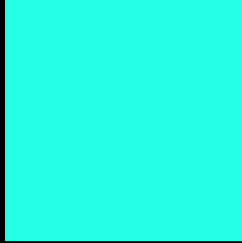
Large Text (above 18pt) WCAG AA × Fail

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 77.6828, 0.2353, 0.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

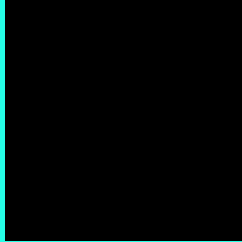
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

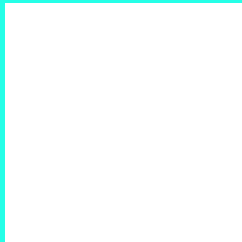
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.6828, 0.2353, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 77.6828, 0.2353, 0.3587.

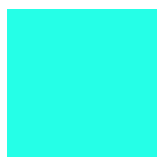


This preview shows how white text looks on a background with the Yxy color 77.6828, 0.2353, 0.3587.

Color Blindness Simulation

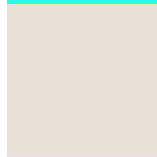
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



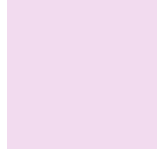
Original Color

77.6828, 0.2353, 0.3587



Protanopia

76.0291, 0.3256, 0.3407



Deuteranopia

75.7723, 0.3158, 0.3086



Tritanopia

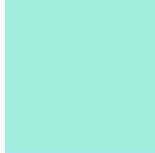
76.7099, 0.2540, 0.3130

Trichromacy



Original Color

77.6828, 0.2353, 0.3587



Protanomaly

72.8396, 0.2761, 0.3479



Deuteranomaly

72.0942, 0.2705, 0.3242



Tritanomaly

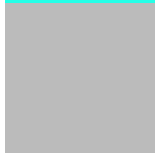
75.8804, 0.2427, 0.3288

Monochromacy



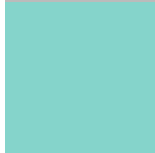
Original Color

77.6828, 0.2353, 0.3587



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.3853, 0.2659, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6828, 0.2353, 0.3587 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(37, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(37, 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(37, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.6828, 0.2353, 0.3587 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(37, 255, 231) }
```

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

```
.border{ border-color:rgb(37, 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(37, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(37, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6828, 0.2353, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 255, 231) }
```

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

```
.background{ background-color: rgb(37, 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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