

Converting Colors

$Y_{xy}(77.9791, 0.2371, 0.3589)$

Have a look what the booklet for
Yxy(77.9791, 0.2371, 0.3589)
contains.

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Color

Yxy(77.9933, 0.2370, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	33FFE7
RGB	51, 255, 231
RGB Percent	20%, 100%, 91%
CMY	0.8005, 0.0000, 0.0940
CMYK	0.80, 0.00, 0.09, 0.00
HSL	173°, 100%, 60%
HSV	173°, 80%, 100%
XYZ	51.5460, 77.9933, 87.9545
YIQ	191.2680, -113.8800, -50.7120

Conversions

Conversions Part 2

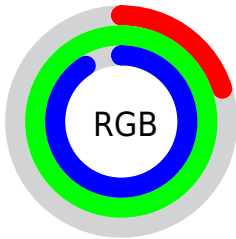
Format	Color
RYB	51, 159, 255
Decimal	3407847
CIELab	90.78, -52.50, -2.17
CIELCh	91, 52.544, 182.363
Yxy	77.9933, 0.2370, 0.3586
Android (android.graphics.Color)	4281597927 (0xFF33FFE7)
YUV	191.2680, 19.5879, -123.0150
Hunter-Lab	88.3138, -50.3642, 2.7709

Details

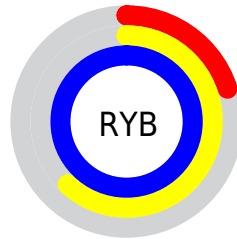
The Yxy color **77.9933, 0.2370, 0.3586** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.1223, 0.5689, 0.3141**, and the grayscale version is **52.1751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **43.0671, 0.2340, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **77.3344, 0.2353, 0.3627**, and if you desaturate by 10%, it is **79.0133, 0.2406, 0.3545**.

Distribution



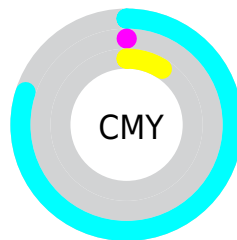
- Red (20%)
- Green (100%)
- Blue (91%)



- Red (20%)
- Yellow (62%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9933, 0.2370, 0.3586 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 77.9933, 0.2370, 0.3586 by changing the saturation by 10% instead.

 77.9933, 0.2370,
0.3586


 77.9933, 0.2370,
0.3586

488.1441, 0.2711,
0.3455


 58.0685, 0.2295,
0.3614

 130.5407, 0.2486,
0.3542

 41.8637, 0.2203,
0.3649

 163.9320, 0.2532,
0.3524

 28.9946, 0.2089,
0.3691


 202.5810, 0.2572,
0.3509

 19.0767, 0.1945,
0.3744

 246.8720, 0.2607,
0.3495

 11.7257, 0.1756,
0.3812

297.1894, 0.2637,
0.3483

 6.5572, 0.1500,
0.3901


353.9176, 0.2665,


 3.1868, 0.1143,


0.3473


0.4018

417.4410, 0.2689,
0.3463


 1.2300, 0.0000,
0.4446


 0.0860, 0.0000,
0.2598


 77.9933, 0.2370,
0.3586


 77.9933, 0.2370,
0.3586


 77.3344, 0.2353,
0.3627

 79.0133, 0.2406,
0.3545

 76.9589, 0.2352,
0.3668

 80.4524, 0.2461,
0.3503

 82.3523, 0.2535,
0.3463

 84.7510, 0.2628,
0.3424

 87.6827, 0.2736,
0.3387

 91.1783, 0.2857,
0.3352

 95.2667, 0.2988,
0.3320

99.9745, 0.3126,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.9933, 0.2874, 0.4164



77.9933, 0.2370, 0.3586



77.9933, 0.2081, 0.2968

Triad

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



77.9933, 0.2370, 0.3586



77.9933, 0.2693, 0.2371



77.9933, 0.4328, 0.3901

Complementary

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



77.9933, 0.2370, 0.3586



24.1223, 0.5689, 0.3141

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.



77.9933, 0.4298, 0.3431



77.9933, 0.2370, 0.3586



77.9933, 0.3296, 0.2597

Square

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



77.9933, 0.2370, 0.3586



77.9933, 0.2255, 0.2339



77.9933, 0.3906, 0.2972



77.9933, 0.4014, 0.4283

Rectangle

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



77.9933, 0.2370, 0.3586



77.9933, 0.2029, 0.2651



77.9933, 0.3906, 0.2972



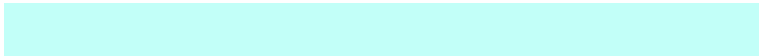
77.9933, 0.4360, 0.3748

Sweetspot

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



77.9913, 0.2370, 0.3586



89.7285, 0.2808, 0.3365



73.3813, 0.3084, 0.5729



18.9423, 0.2765, 0.3378



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.



77.9913, 0.2370, 0.3586



77.0903, 0.2352, 0.3651



40.6246, 0.2021, 0.2296



20.4426, 0.2996, 0.3318



40.2273, 0.2350, 0.3661



3.9268, 0.2337, 0.3614

Inverse Universe

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



24.1223, 0.5689, 0.3141



21.6276, 0.6205, 0.3217



36.3476, 0.5289, 0.3902



18.0218, 0.3276, 0.3262



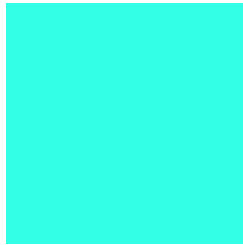
11.1685, 0.6260, 0.3222



1.0980, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 77.9933, 0.2370, 0.3586 looks on a white background.

Color Contrast Check

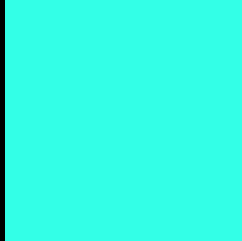
Large Text (above 18pt) WCAG AA × Fail

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 77.9933, 0.2370, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

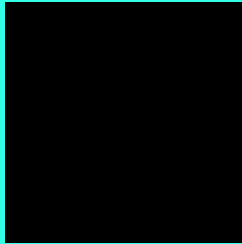
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

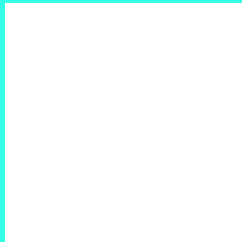
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9933, 0.2370, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 77.9933, 0.2370, 0.3586.



This preview shows how white text looks on a background with the Yxy color 77.9933, 0.2370, 0.3586.

Color Blindness Simulation

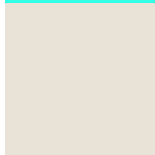
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



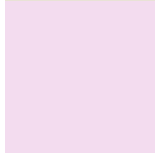
Original Color

77.9933, 0.2370, 0.3586



Protanopia

76.5714, 0.3255, 0.3417



Deuteranopia

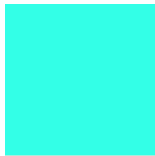
76.4731, 0.3164, 0.3097



Tritanopia

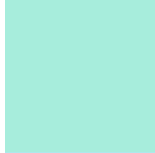
77.0006, 0.2554, 0.3130

Trichromacy



Original Color

77.9933, 0.2370, 0.3586



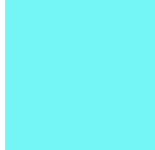
Protanomaly

73.9512, 0.2790, 0.3489



Deuteranomaly

73.2182, 0.2734, 0.3254



Tritanomaly

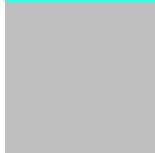
76.2784, 0.2448, 0.3288

Monochromacy



Original Color

77.9933, 0.2370, 0.3586



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.1248, 0.2685, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9933, 0.2370, 0.3586 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(51, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 231) }
```

Border

The CSS property to change the border of an element to Yxy 77.9933, 0.2370, 0.3586 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(51, 255, 231) }
```

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

```
.border{ border-color:rgb(51, 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(51, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9933, 0.2370, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 231) }
```

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

```
.background{ background-color: rgb(51, 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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