

Converting Colors

$Y_{xy}(77.2820, 0.2465, 0.3842)$

Have a look what the booklet for
Yxy(77.2820, 0.2465, 0.3842)
contains.

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Color

Yxy(77.2976, 0.2463, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	3EFFD4
RGB	62, 255, 212
RGB Percent	24%, 100%, 83%
CMY	0.7566, 0.0000, 0.1687
CMYK	0.76, 0.00, 0.17, 0.00
HSL	167°, 100%, 62%
HSV	167°, 76%, 100%
XYZ	49.6309, 77.2976, 74.5773
YIQ	192.3910, -101.2250, -54.2890

Conversions

Conversions Part 2

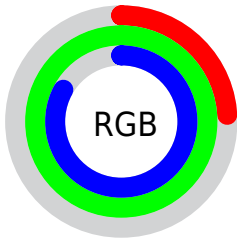
Format	Color
RYB	62, 171, 255
Decimal	4128724
CIELab	90.46, -56.24, 7.25
CIELCh	90, 56.707, 172.653
Yxy	77.2976, 0.2463, 0.3836
Android (android.graphics.Color)	4282318804 (0xFF3EFFD4)
YUV	192.3910, 9.6672, -114.3529
Hunter-Lab	87.9191, -53.0940, 11.2506

Details

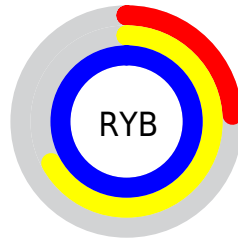
The Yxy color **77.2976, 0.2463, 0.3836** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.7345, 0.5220, 0.2951**, and the grayscale version is **52.9504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.3760, 0.2447, 0.3919**, and if you desaturate by 10%, it is **78.6182, 0.2499, 0.3753**.

Distribution



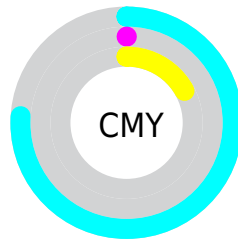
- Red (24%)
- Green (100%)
- Blue (83%)



- Red (24%)
- Yellow (67%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (76%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.2976, 0.2463, 0.3836 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 77.2976, 0.2463, 0.3836 by changing the saturation by 10% instead.


 77.2976, 0.2463,
0.3836


 77.2976, 0.2463,
0.3836


485.7781, 0.2768,
0.3579


 57.4972, 0.2394,
0.3895


 129.5595, 0.2568,
0.3746

 41.4045, 0.2309,
0.3969


 162.7897, 0.2609,
0.3712

 28.6353, 0.2203,
0.4063


 201.2654, 0.2645,
0.3682

 18.8051, 0.2066,
0.4187

 245.3708, 0.2676,
0.3656

 11.5295, 0.1882,
0.4357

295.4903, 0.2703,
0.3633

 6.4242, 0.1627,
0.4603


352.0085, 0.2727,


 3.1047, 0.1253,


0.3613


0.4988


415.3096, 0.2749,
0.3595


 1.1866, 0.0000,
0.6116

 0.0507, 0.0000,
1.0000


 77.2976, 0.2463,
0.3836


 77.2976, 0.2463,
0.3836


 76.3760, 0.2447,
0.3919


 78.6182, 0.2499,
0.3753

 75.7903, 0.2450,
0.4002

 80.3820, 0.2555,
0.3671


 75.6037, 0.2455,
0.4037


 82.6312, 0.2629,
0.3592

 85.4021, 0.2720,
0.3517

 88.7274, 0.2823,
0.3446

 92.6372, 0.2936,
0.3381

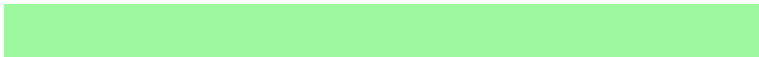
 97.1595, 0.3057,
0.3321

 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.



77.2976, 0.3055, 0.4384



77.2976, 0.2463, 0.3836



77.2976, 0.2074, 0.3138

Triad

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



77.2976, 0.2463, 0.3836



77.2976, 0.2481, 0.2271



77.2976, 0.4458, 0.3776

Complementary

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



77.2976, 0.2463, 0.3836



25.7345, 0.5220, 0.2951

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.



77.2976, 0.4296, 0.3269



77.2976, 0.2463, 0.3836



77.2976, 0.3084, 0.2450

Square

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



77.2976, 0.2463, 0.3836



77.2976, 0.2091, 0.2307



77.2976, 0.3769, 0.2803



77.2976, 0.4222, 0.4238

Rectangle

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



77.2976, 0.2463, 0.3836



77.2976, 0.1962, 0.2747



77.2976, 0.3769, 0.2803



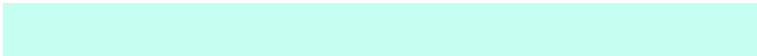
77.2976, 0.4451, 0.3607

Sweetspot

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



77.2988, 0.2463, 0.3836



89.7089, 0.2852, 0.3428



74.9997, 0.3175, 0.5576



18.9182, 0.2813, 0.3453



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.



77.2988, 0.2463, 0.3836



76.0257, 0.2446, 0.3964



51.2193, 0.2129, 0.2626



20.4081, 0.3010, 0.3344



39.5281, 0.2451, 0.4024



3.8650, 0.2425, 0.3930

Inverse Universe

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



25.7345, 0.5220, 0.2951



22.3746, 0.5797, 0.3030



33.5346, 0.5335, 0.3721



18.0534, 0.3259, 0.3237



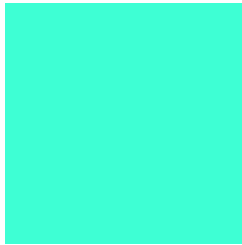
11.2806, 0.6017, 0.3088



1.1139, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 77.2976, 0.2463, 0.3836 looks on a white background.

Color Contrast Check

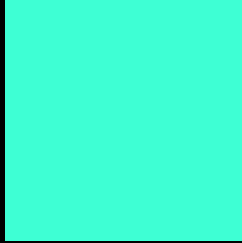
Large Text (above 18pt) WCAG AA × Fail

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 77.2976, 0.2463, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

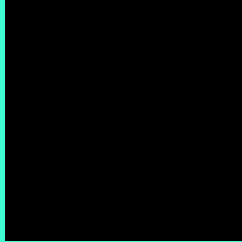
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

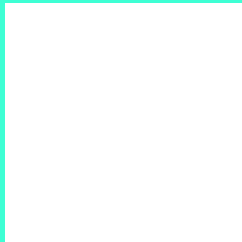
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2976, 0.2463, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 77.2976, 0.2463, 0.3836.

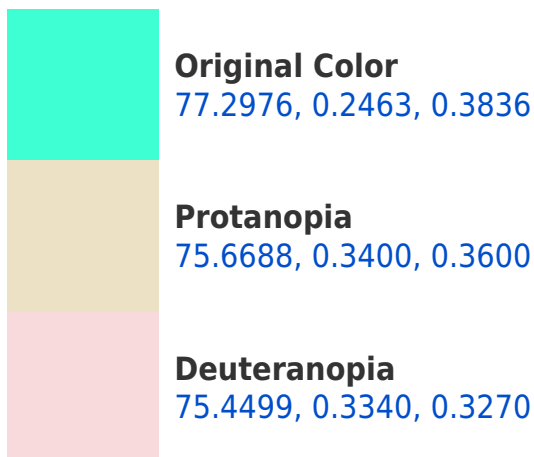


This preview shows how white text looks on a background with the Yxy color 77.2976, 0.2463, 0.3836.

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





Tritanopia

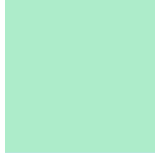
76.7099, 0.2540, 0.3130

Trichromacy



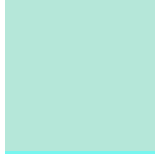
Original Color

77.2976, 0.2463, 0.3836



Protanomaly

73.1394, 0.2924, 0.3694



Deuteranomaly

71.9853, 0.2885, 0.3452



Tritanomaly

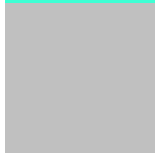
76.0655, 0.2489, 0.3372

Monochromacy



Original Color

77.2976, 0.2463, 0.3836



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.7441, 0.2756, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2976, 0.2463, 0.3836 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(62, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(62, 255, 212)  
}
```

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(62, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 77.2976, 0.2463, 0.3836 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(62, 255, 212) }
```

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

```
.border{ border-color:rgb(62, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(62, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2976, 0.2463, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 255, 212) }
```

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

```
.background{ background-color: rgb(62, 255,  
212) }
```

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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