

Converting Colors

$Y_{xy}(77.7102, 0.2312, 0.3240)$

Have a look what the booklet for
Yxy(77.7102, 0.2312, 0.3240)
contains.

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Color

Yxy(77.7102, 0.2312, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	4BFBFF
RGB	75, 251, 255
RGB Percent	29%, 98%, 100%
CMY	0.7056, 0.0157, 0.0000
CMYK	0.71, 0.02, 0.00, 0.00
HSL	181°, 100%, 65%
HSV	181°, 71%, 100%
XYZ	55.4525, 77.7102, 106.6836
YIQ	198.8320, -106.1800, -36.0680

Conversions

Conversions Part 2

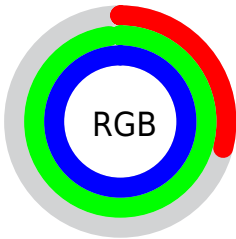
Format	Color
RYB	75, 164, 255
Decimal	4979711
CIELab	90.65, -41.89, -14.77
CIELCh	91, 44.419, 199.420
Yxy	77.7102, 0.2312, 0.3240
Android (android.graphics.Color)	4283169791 (0xFF4BFBFF)
YUV	198.8320, 27.6908, -108.6007
Hunter-Lab	88.1534, -41.9839, -10.0457

Details

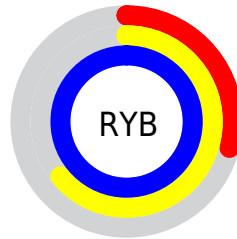
The Yxy color **77.7102, 0.2312, 0.3240** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.3722, 0.5509, 0.3328**, and the grayscale version is **56.8958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0359, 0.2553, 0.3288**, and **42.6608, 0.2229, 0.3226** is the 20% darker color. If you saturate the color by 10%, you get **76.5278, 0.2267, 0.3233**, and if you desaturate by 10%, it is **79.3112, 0.2377, 0.3248**.

Distribution



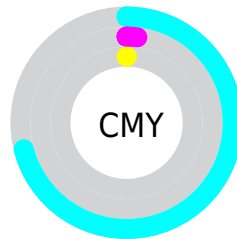
- Red (29%)
- Green (98%)
- Blue (100%)



- Red (29%)
- Yellow (64%)
- Blue (100%)



- Cyan (71%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7102, 0.2312, 0.3240 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 77.7102, 0.2312, 0.3240 by changing the saturation by 10% instead.


 77.7102, 0.2312,
0.3240

 77.7102, 0.2312,
0.3240


487.1821, 0.2673,
0.3275

 57.8359, 0.2234,
0.3230


 130.1415, 0.2434,
0.3254


 41.6768, 0.2139,
0.3216


 163.4674, 0.2483,
0.3259

 28.8483, 0.2022,
0.3196


 202.0459, 0.2525,
0.3263

 18.9661, 0.1876,
0.3167

 246.2614, 0.2562,
0.3266

 11.6458, 0.1688,
0.3123

296.4984, 0.2594,
0.3269

 6.5030, 0.1439,
0.3051


353.1413, 0.2624,


 3.1533, 0.1102,


0.3271


416.5744, 0.2650,
0.3273


0.2922


 1.2123, 0.0224,
0.2783


 0.0717, 0.0000,
0.0602


 77.7102, 0.2312,
0.3240


 77.7102, 0.2312,
0.3240


 76.5278, 0.2267,
0.3233

 79.3112, 0.2377,
0.3248

 75.7029, 0.2240,
0.3225

 81.3662, 0.2461,
0.3255

 75.1758, 0.2227,
0.3218

 83.9163, 0.2564,
0.3263

 86.9957, 0.2684,
0.3270

■ 90.6358, 0.2818,
0.3277

■ 94.8653, 0.2964,
0.3284

99.7110, 0.3118,
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.



77.7102, 0.2654, 0.3767



77.7102, 0.2312, 0.3240



77.7102, 0.2181, 0.2788

Triad

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



77.7102, 0.2312, 0.3240



77.7102, 0.3043, 0.2589



77.7102, 0.4032, 0.4025

Complementary

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



77.7102, 0.2312, 0.3240



27.3722, 0.5509, 0.3328

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.



77.7102, 0.4174, 0.3658



77.7102, 0.2312, 0.3240



77.7102, 0.3577, 0.2867

Square

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



77.7102, 0.2312, 0.3240



77.7102, 0.2574, 0.2463



77.7102, 0.4007, 0.3245



77.7102, 0.3647, 0.4232

Rectangle

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



77.7102, 0.2312, 0.3240



77.7102, 0.2218, 0.2588



77.7102, 0.4007, 0.3245



77.7102, 0.4112, 0.3914

Sweetspot

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



77.7131, 0.2312, 0.3240



90.4627, 0.2812, 0.3277



73.5701, 0.3013, 0.5535



19.1368, 0.2774, 0.3275



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.



77.7131, 0.2312, 0.3240



76.1205, 0.2253, 0.3229



34.5737, 0.2018, 0.2059



20.4080, 0.2980, 0.3284



39.3123, 0.2228, 0.3220



3.8489, 0.2230, 0.3228

Inverse Universe

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



33.2677, 0.3238, 0.1761



29.5757, 0.3254, 0.1625



49.7881, 0.4725, 0.4162



18.2930, 0.3142, 0.3061



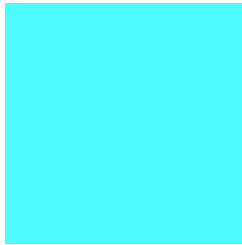
14.6966, 0.3266, 0.1573



1.4331, 0.3259, 0.1569

Previews

White Background



This preview shows how the Yxy color 77.7102, 0.2312, 0.3240 looks on a white background.

Color Contrast Check

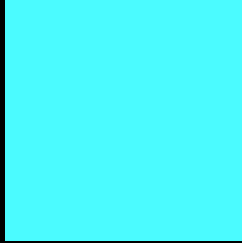
Large Text (above 18pt) WCAG AA × Fail

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 77.7102, 0.2312, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

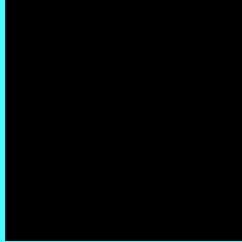
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.7102, 0.2312, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 77.7102, 0.2312, 0.3240.

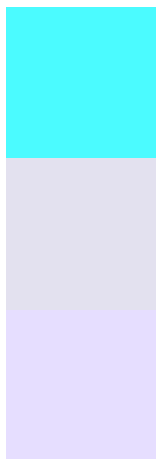


This preview shows how white text looks on a background with the Yxy color 77.7102, 0.2312, 0.3240.

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

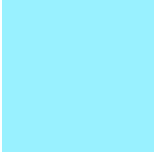
77.7102, 0.2312, 0.3240

Protanopia

76.4133, 0.3052, 0.3143

Deuteranopia

76.2855, 0.2973, 0.2953



Tritanopia

76.9029, 0.2550, 0.3130

Trichromacy



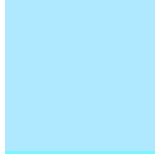
Original Color

77.7102, 0.2312, 0.3240



Protanomaly

74.2089, 0.2683, 0.3164



Deuteranomaly

74.4965, 0.2642, 0.3044



Tritanomaly

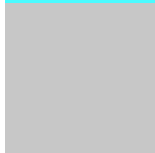
76.8848, 0.2441, 0.3172

Monochromacy



Original Color

77.7102, 0.2312, 0.3240



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1273, 0.2699, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7102, 0.2312, 0.3240 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(75, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 251, 255)  
}
```

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(75, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 77.7102, 0.2312, 0.3240 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(75, 251, 255) }
```

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

```
.border{ border-color:rgb(75, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7102, 0.2312, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 251, 255) }
```

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

```
.background{ background-color: rgb(75, 251,  
255) }
```

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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