

Converting Colors

$Yxy(77.9266, 0.2420, 0.3682)$

Have a look what the booklet for
Yxy(77.9266, 0.2420, 0.3682)
contains.

Yxy(77.9377, 0.2423, 0.3689)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.9377, 0.2423, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	40FFDF
RGB	64, 255, 223
RGB Percent	25%, 100%, 87%
CMY	0.7490, 0.0000, 0.1256
CMYK	0.75, 0.00, 0.13, 0.00
HSL	170°, 100%, 63%
HSV	170°, 75%, 100%
XYZ	51.1909, 77.9377, 82.1420
YIQ	194.2430, -103.5640, -50.4440

Conversions

Conversions Part 2

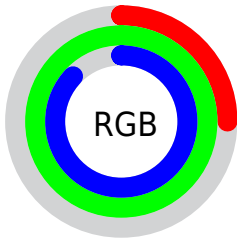
Format	Color
RYB	64, 168, 255
Decimal	4259807
CIELab	90.75, -53.33, 1.99
CIELCh	91, 53.366, 177.866
Yxy	77.9377, 0.2423, 0.3689
Android (android.graphics.Color)	4282449887 (0xFF40FFDF)
YUV	194.2430, 14.1772, -114.2231
Hunter-Lab	88.2823, -50.9902, 6.6315

Details

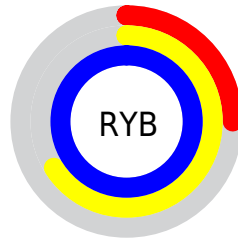
The Yxy color **77.9377, 0.2423, 0.3689** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.7719, 0.5340, 0.3046**, and the grayscale version is **54.0590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **42.7597, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **77.0406, 0.2401, 0.3750**, and if you desaturate by 10%, it is **79.2289, 0.2465, 0.3628**.

Distribution



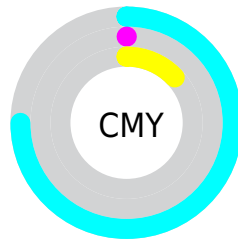
- Red (25%)
- Green (100%)
- Blue (87%)



- Red (25%)
- Yellow (66%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9377, 0.2423, 0.3689 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 77.9377, 0.2423, 0.3689 by changing the saturation by 10% instead.

 77.9377, 0.2423,
0.3689


 77.9377, 0.2423,
0.3689


487.9552, 0.2743,
0.3506

 58.0228, 0.2352,
0.3730


 130.4623, 0.2533,
0.3626


 41.8270, 0.2265,
0.3781


 163.8408, 0.2576,
0.3601

 28.9658, 0.2156,
0.3844


 202.4759, 0.2613,
0.3580

 19.0550, 0.2017,
0.3926

 246.7521, 0.2645,
0.3562

 11.7100, 0.1834,
0.4035

297.0537, 0.2674,
0.3545

 6.5465, 0.1583,
0.4187


353.7652, 0.2699,


 3.1802, 0.1224,

0.3531

0.4411


417.2709, 0.2722,
0.3518


 1.2265, 0.0000,
0.5117


 0.0832, 0.0000,
1.0000


 77.9377, 0.2423,
0.3689


 77.9377, 0.2423,
0.3689


 77.0406, 0.2401,
0.3750


 79.2289, 0.2465,
0.3628


 76.4826, 0.2397,
0.3810

 80.9645, 0.2527,
0.3568


 76.2861, 0.2400,
0.3841


 83.1839, 0.2607,
0.3510

 85.9232, 0.2703,
0.3455

 89.2148, 0.2813,
0.3403

 93.0885, 0.2934,
0.3355

 97.5720, 0.3062,
0.3310

 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.



77.9377, 0.2959, 0.4245



77.9377, 0.2423, 0.3689



77.9377, 0.2094, 0.3048

Triad

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



77.9377, 0.2423, 0.3689



77.9377, 0.2606, 0.2340



77.9377, 0.4366, 0.3839

Complementary

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



77.9377, 0.2423, 0.3689



25.7719, 0.5340, 0.3046

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.



77.9377, 0.4279, 0.3359



77.9377, 0.2423, 0.3689



77.9377, 0.3201, 0.2542

Square

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



77.9377, 0.2423, 0.3689



77.9377, 0.2195, 0.2340



77.9377, 0.3834, 0.2903



77.9377, 0.4092, 0.4250

Rectangle

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



77.9377, 0.2423, 0.3689



77.9377, 0.2016, 0.2704



77.9377, 0.3834, 0.2903



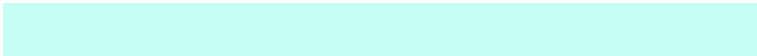
77.9377, 0.4380, 0.3681

Sweetspot

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



77.9367, 0.2423, 0.3689



90.2774, 0.2847, 0.3388



74.5439, 0.3136, 0.5588



19.1102, 0.2815, 0.3402



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.



77.9367, 0.2423, 0.3689



76.7182, 0.2397, 0.3781



47.1243, 0.2101, 0.2502



20.4261, 0.3002, 0.3330



39.8805, 0.2397, 0.3831



3.8963, 0.2378, 0.3762

Inverse Universe

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



25.7719, 0.5340, 0.3046



22.3467, 0.5923, 0.3113



36.1673, 0.5213, 0.3814



18.0367, 0.3268, 0.3250



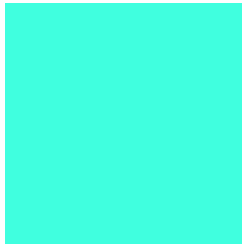
11.2134, 0.6159, 0.3167



1.1051, 0.5879, 0.3012

Previews

White Background



This preview shows how the Yxy color 77.9377, 0.2423, 0.3689 looks on a white background.

Color Contrast Check

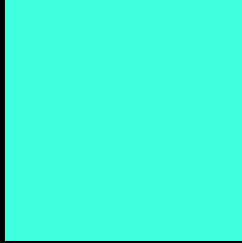
Large Text (above 18pt) WCAG AA × Fail

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 77.9377, 0.2423, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

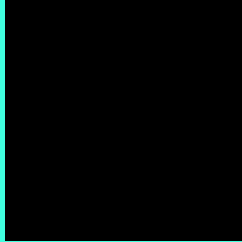
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

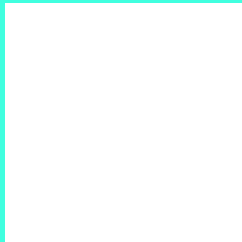
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9377, 0.2423, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 77.9377, 0.2423, 0.3689.

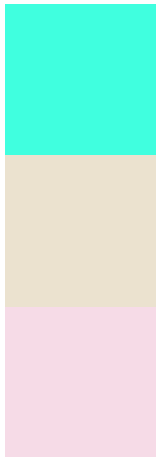


This preview shows how white text looks on a background with the Yxy color 77.9377, 0.2423, 0.3689.

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

77.9377, 0.2423, 0.3689

Protanopia

76.5599, 0.3317, 0.3492

Deuteranopia

76.0254, 0.3241, 0.3168



Tritanopia

77.0992, 0.2559, 0.3130

Trichromacy



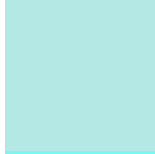
Original Color

77.9377, 0.2423, 0.3689



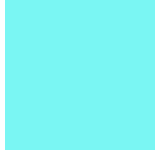
Protanomaly

74.2567, 0.2863, 0.3571



Deuteranomaly

73.0180, 0.2817, 0.3335



Tritanomaly

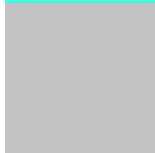
76.5202, 0.2483, 0.3324

Monochromacy



Original Color

77.9377, 0.2423, 0.3689



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.7226, 0.2734, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9377, 0.2423, 0.3689 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(64, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 223)  
}
```

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(64, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.9377, 0.2423, 0.3689 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(64, 255, 223) }
```

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

```
.border{ border-color:rgb(64, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9377, 0.2423, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 223) }
```

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

```
.background{ background-color: rgb(64, 255,  
223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor