

Converting Colors

$Y_{xy}(77.9370, 0.2374, 0.3599)$

Have a look what the booklet for
Yxy(77.9370, 0.2374, 0.3599)
contains.

| | |
|---|----|
| Yxy(77.9370, 0.2374, 0.3599) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(77.9370, 0.2374, 0.3599)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 33FFE6 |
| RGB | 51, 255, 230 |
| RGB Percent | 20%, 100%, 90% |
| CMY | 0.8000, 0.0000, 0.0980 |
| CMYK | 0.80, 0.00, 0.10, 0.00 |
| HSL | 173°, 100%, 60% |
| HSV | 173°, 80%, 100% |
| XYZ | 51.4094, 77.9370, 87.2054 |
| YIQ | 191.1540, -113.5590, -51.0230 |

Conversions

Conversions Part 2

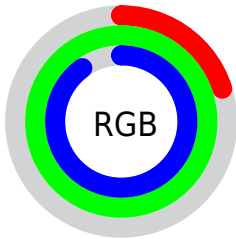
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 51, 160, 255 |
| Decimal | 3407846 |
| CIELab | 90.75, -52.75, -1.68 |
| CIELCh | 91, 52.776, 181.824 |
| Yxy | 77.9370, 0.2374, 0.3599 |
| Android (android.graphics.Color) | 4281597926 (0xFF33FFE6) |
| YUV | 191.1540, 19.1511, -122.9151 |
| Hunter-Lab | 88.2819, -50.5471, 3.2303 |

Details

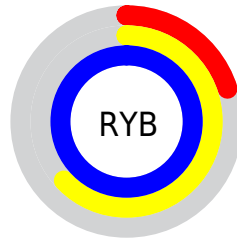
The Yxy color **77.9370, 0.2374, 0.3599** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.1505, 0.5674, 0.3133**, and the grayscale version is **52.1332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **43.0277, 0.2345, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **77.2732, 0.2358, 0.3642**, and if you desaturate by 10%, it is **78.9686, 0.2409, 0.3556**.

Distribution



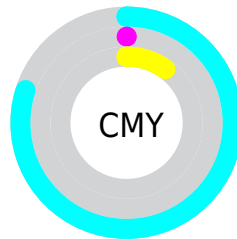
- Red (20%)
- Green (100%)
- Blue (90%)



- Red (20%)
- Yellow (63%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9370, 0.2374, 0.3599 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 77.9370, 0.2374, 0.3599 by changing the saturation by 10% instead.

 77.9370, 0.2374,
0.3599


 77.9370, 0.2374,
0.3599


487.9528, 0.2713,
0.3461

 58.0222, 0.2299,
0.3629

 130.4613, 0.2490,
0.3552

 41.8265, 0.2208,
0.3665

 163.8396, 0.2535,
0.3534

 28.9655, 0.2094,
0.3710


 202.4746, 0.2575,
0.3518

 19.0547, 0.1950,
0.3767

 246.7506, 0.2610,
0.3504

 11.7098, 0.1761,
0.3839

297.0520, 0.2640,
0.3491

 6.5464, 0.1505,
0.3936


353.7633, 0.2667,


 3.1801, 0.1147,


0.3480


0.4065


417.2688, 0.2692,
0.3470


 1.2265, 0.0000,
0.4520


 0.0832, 0.0000,
0.2856


 77.9370, 0.2374,
0.3599


 77.9370, 0.2374,
0.3599


 77.2732, 0.2358,
0.3642

 78.9686, 0.2409,
0.3556

 76.8892, 0.2357,
0.3685

 80.4168, 0.2464,
0.3513

 76.8891, 0.2357,
0.3685

 82.3262, 0.2539,
0.3470

 84.7348, 0.2631,
0.3430

87.6768, 0.2739,
0.3391

91.1833, 0.2859,
0.3354

95.2829, 0.2990,
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.



77.9370, 0.2884, 0.4177



77.9370, 0.2374, 0.3599



77.9370, 0.2080, 0.2976

Triad

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



77.9370, 0.2374, 0.3599



77.9370, 0.2681, 0.2365



77.9370, 0.4336, 0.3895

Complementary

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



77.9370, 0.2374, 0.3599



24.1505, 0.5674, 0.3133

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.



77.9370, 0.4299, 0.3422



77.9370, 0.2374, 0.3599



77.9370, 0.3285, 0.2589

Square

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



77.9370, 0.2374, 0.3599



77.9370, 0.2245, 0.2337



77.9370, 0.3899, 0.2962



77.9370, 0.4025, 0.4282

Rectangle

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



77.9370, 0.2374, 0.3599



77.9370, 0.2024, 0.2655



77.9370, 0.3899, 0.2962



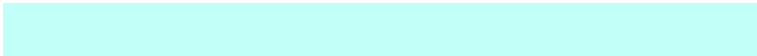
77.9370, 0.4366, 0.3741

Sweetspot

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



77.9381, 0.2374, 0.3599



89.7094, 0.2810, 0.3369



73.3877, 0.3084, 0.5728



18.9376, 0.2767, 0.3382



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.



77.9381, 0.2374, 0.3599



77.0229, 0.2356, 0.3668



40.6492, 0.2021, 0.2297



20.4409, 0.2996, 0.3319



40.1913, 0.2355, 0.3678



3.9236, 0.2341, 0.3629

Inverse Universe

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



24.1505, 0.5674, 0.3133



21.6359, 0.6195, 0.3211



36.3717, 0.5287, 0.3902



18.0233, 0.3275, 0.3261



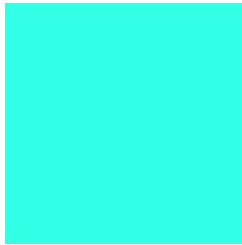
11.1724, 0.6251, 0.3217



1.0987, 0.6009, 0.3084

Previews

White Background



This preview shows how the Yxy color 77.9370, 0.2374, 0.3599 looks on a white background.

Color Contrast Check

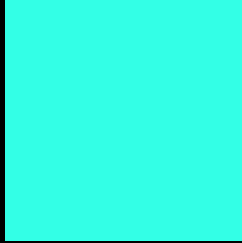
Large Text (above 18pt) WCAG AA × Fail

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 77.9370, 0.2374, 0.3599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

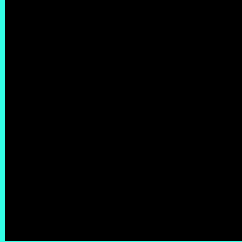
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

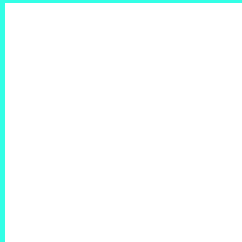
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9370, 0.2374, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 77.9370, 0.2374, 0.3599.

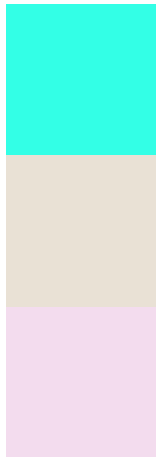


This preview shows how white text looks on a background with the Yxy color 77.9370, 0.2374, 0.3599.

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

77.9370, 0.2374, 0.3599

Protanopia

75.9782, 0.3263, 0.3418

Deuteranopia

76.4141, 0.3171, 0.3107



Tritanopia

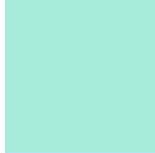
76.9029, 0.2550, 0.3130

Trichromacy



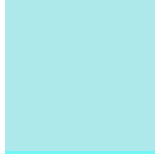
Original Color

77.9370, 0.2374, 0.3599



Protanomaly

73.3209, 0.2795, 0.3490



Deuteranomaly

73.1602, 0.2739, 0.3266



Tritanomaly

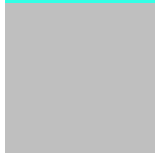
76.2784, 0.2448, 0.3288

Monochromacy



Original Color

77.9370, 0.2374, 0.3599



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.0764, 0.2691, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9370, 0.2374, 0.3599 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.9370, 0.2374, 0.3599 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, 230) }
```

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

```
.border{ border-color:rgb(51, 255, 230) }
```

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, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
230) }
```


Background

The CSS property to change the background color of an element to `rgb(51, 255, 230)` 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, 230) }
```

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

```
.background{ background-color: rgb(51, 255,  
230) }
```

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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