

Converting Colors

$Y_{xy}(75.9623, 0.2471, 0.3930)$

Have a look what the booklet for
Yxy(75.9623, 0.2471, 0.3930)
contains.

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Color

Yxy(75.9471, 0.2473, 0.3937)

Conversions

Conversions Part 1

Format	Color
Hex	33FECC
RGB	51, 254, 204
RGB Percent	20%, 100%, 80%
CMY	0.7997, 0.0039, 0.2001
CMYK	0.80, 0.00, 0.20, 0.00
HSL	165°, 99%, 60%
HSV	165°, 80%, 100%
XYZ	47.7057, 75.9471, 69.2533
YIQ	187.6030, -104.9380, -58.5860

Conversions

Conversions Part 2

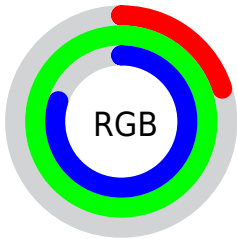
Format	Color
R _Y B	51, 167, 254
Decimal	3407564
CIE Lab	89.83, -58.83, 10.48
CIE LCh	90, 59.753, 169.903
Yxy	75.9471, 0.2473, 0.3937
Android (android.graphics.Color)	4281597644 (0xFF33FECC)
YUV	187.6030, 8.0837, -119.8008
Hunter-Lab	87.1476, -54.7953, 13.8876

Details

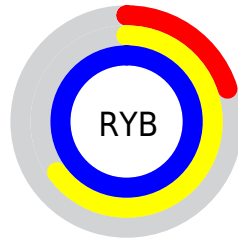
The Yxy color **75.9471, 0.2473, 0.3937** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.3872, 0.5319, 0.2920**, and the grayscale version is **50.0626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **41.6819, 0.2463, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **75.1652, 0.2467, 0.4030**, and if you desaturate by 10%, it is **77.1069, 0.2499, 0.3844**.

Distribution



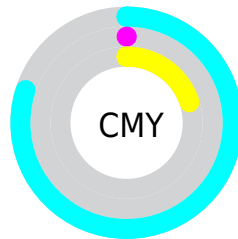
- Red (20%)
- Green (100%)
- Blue (80%)



- Red (20%)
- Yellow (65%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9471, 0.2473, 0.3937 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 75.9471, 0.2473, 0.3937 by changing the saturation by 10% instead.


 75.9471, 0.2473,
0.3937


 75.9471, 0.2473,
0.3937


481.1666, 0.2777,
0.3629


 56.3891, 0.2404,
0.4010

 127.6521, 0.2578,
0.3828


 40.5150, 0.2318,
0.4100


 160.5680, 0.2619,
0.3787

 27.9403, 0.2210,
0.4216


 198.7052, 0.2655,
0.3751

 18.2807, 0.2069,
0.4371

 242.4483, 0.2686,
0.3720

 11.1517, 0.1880,
0.4586

292.1816, 0.2713,
0.3693

 6.1690, 0.1614,
0.4902


348.2895, 0.2736,

 2.9481, 0.1197,


0.3669


0.5422


411.1563, 0.2758,
0.3648


 1.1047, 0.0000,
0.7091


 0.0000, 0.0000,
0.0000


 75.9471, 0.2473,
0.3937

 75.9471, 0.2473,
0.3937


 75.1652, 0.2467,
0.4030


 77.1069, 0.2499,
0.3844

 74.6691, 0.2478,
0.4122

 78.6871, 0.2545,
0.3752


 74.6644, 0.2479,
0.4123

 80.7339, 0.2609,
0.3662

 83.2851, 0.2691,
0.3577

 86.3745, 0.2787,
0.3496

 90.0329, 0.2894,
0.3421

 94.2890, 0.3008,
0.3352

99.1693, 0.3128,
0.3289

99.3660, 0.3128,
0.3281

Harmonies

Analogous

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



75.9471, 0.3109, 0.4490



75.9471, 0.2473, 0.3937



75.9471, 0.2043, 0.3189

Triad

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



75.9471, 0.2473, 0.3937



75.9471, 0.2397, 0.2213



75.9471, 0.4538, 0.3745

Complementary

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



75.9471, 0.2473, 0.3937



24.3872, 0.5319, 0.2920

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.



75.9471, 0.4330, 0.3215



75.9471, 0.2473, 0.3937



75.9471, 0.3014, 0.2381

Square

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



75.9471, 0.2473, 0.3937



75.9471, 0.2013, 0.2270



75.9471, 0.3742, 0.2736



75.9471, 0.4318, 0.4244

Rectangle

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



75.9471, 0.2473, 0.3937



75.9471, 0.1910, 0.2762



75.9471, 0.3742, 0.2736



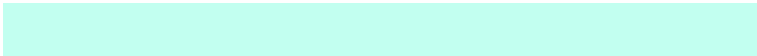
75.9471, 0.4519, 0.3567

Sweetspot

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



75.9501, 0.2473, 0.3937



89.2489, 0.2849, 0.3451



73.9391, 0.3176, 0.5659



18.8255, 0.2811, 0.3478



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.



75.9501, 0.2473, 0.3937



75.5100, 0.2473, 0.4086



50.7017, 0.2110, 0.2630



20.4004, 0.3013, 0.3349



39.3874, 0.2474, 0.4107



3.8523, 0.2445, 0.4002

Inverse Universe

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



24.3872, 0.5319, 0.2920



21.9306, 0.5876, 0.3034



30.7758, 0.5525, 0.3680



18.0605, 0.3255, 0.3232



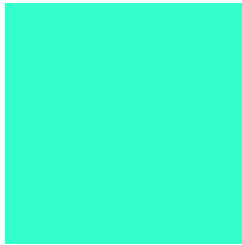
11.3153, 0.5946, 0.3049



1.1182, 0.5632, 0.2876

Previews

White Background



This preview shows how the Yxy color 75.9471, 0.2473, 0.3937 looks on a white background.

Color Contrast Check

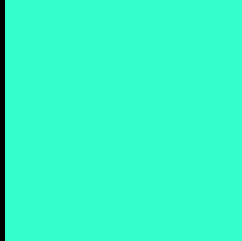
Large Text (above 18pt) WCAG AA × Fail

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 75.9471, 0.2473, 0.3937 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 75.9471, 0.2473, 0.3937

Background



This preview shows how black text looks on a background with the Yxy color 75.9471, 0.2473, 0.3937.

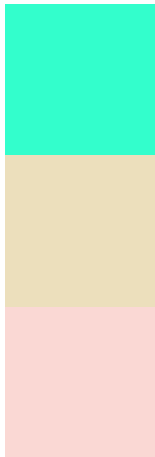


This preview shows how white text looks on a background with the Yxy color 75.9471, 0.2473, 0.3937.

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

75.9471, 0.2473, 0.3937

Protanopia

74.2391, 0.3459, 0.3666

Deuteranopia

74.1892, 0.3407, 0.3332



Tritanopia

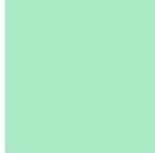
75.2910, 0.2498, 0.3116

Trichromacy



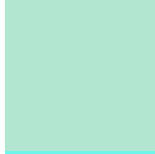
Original Color

75.9471, 0.2473, 0.3937



Protanomaly

71.1757, 0.2945, 0.3775



Deuteranomaly

70.6621, 0.2912, 0.3538



Tritanomaly

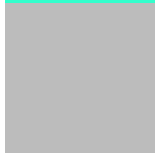
74.6122, 0.2463, 0.3397

Monochromacy



Original Color

75.9471, 0.2473, 0.3937



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.3853, 0.2739, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9471, 0.2473, 0.3937 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, 254, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 254, 204)  
}
```

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, 254, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 254, 204) }
```

Border

The CSS property to change the border of an element to Yxy 75.9471, 0.2473, 0.3937 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, 254, 204) }
```

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

```
.border{ border-color:rgb(51, 254, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 254, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 254, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 254, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 254,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9471, 0.2473, 0.3937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 254, 204) }
```

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

```
.background{ background-color: rgb(51, 254,  
204) }
```

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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