

Converting Colors

$Y_{xy}(74.7733, 0.2272, 0.3311)$

Have a look what the booklet for
Yxy(74.7733, 0.2272, 0.3311)
contains.

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Color

Yxy(74.8068, 0.2272, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	22F9F7
RGB	34, 249, 247
RGB Percent	13%, 98%, 97%
CMY	0.8680, 0.0235, 0.0313
CMYK	0.86, 0.00, 0.01, 0.02
HSL	179°, 95%, 55%
HSV	179°, 86%, 98%
XYZ	51.3167, 74.8068, 99.7424
YIQ	184.4870, -127.4980, -46.2020

Conversions

Conversions Part 2

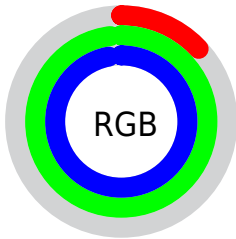
Format	Color
R _Y B	34, 142, 249
Decimal	2292215
CIE Lab	89.30, -46.75, -12.68
CIE LCh	89, 48.440, 195.179
Yxy	74.8068, 0.2272, 0.3312
Android (android.graphics.Color)	4280482295 (0xFF22F9F7)
YUV	184.4870, 30.8189, -131.9771
Hunter-Lab	86.4909, -45.4516, -7.8303

Details

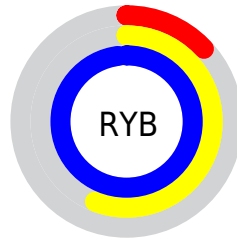
The Yxy color **74.8068, 0.2272, 0.3312** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.3919, 0.6145, 0.3291**, and the grayscale version is **48.0404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **41.4609, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **74.5176, 0.2257, 0.3315**, and if you desaturate by 10%, it is **75.4059, 0.2303, 0.3309**.

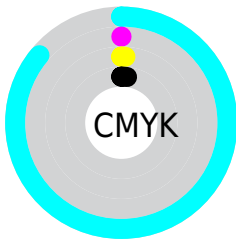
Distribution



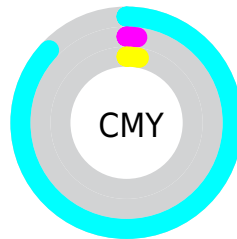
- Red (13%)
- Green (98%)
- Blue (97%)



- Red (13%)
- Yellow (56%)
- Blue (98%)



- Cyan (86%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (87%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8068, 0.2272, 0.3312 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 74.8068, 0.2272, 0.3312 by changing the saturation by 10% instead.


 74.8068, 0.2272,
0.3312

 74.8068, 0.2272,
0.3312


477.2533, 0.2654,
0.3314

 55.4546, 0.2189,
0.3309


 126.0388, 0.2401,
0.3315


 39.7658, 0.2088,
0.3303


 158.6875, 0.2453,
0.3316

 27.3560, 0.1963,
0.3294


 196.5371, 0.2497,
0.3316

 17.8408, 0.1807,
0.3278

 239.9721, 0.2536,
0.3316

 10.8357, 0.1604,
0.3249

289.3768, 0.2571,
0.3315

 5.9565, 0.1337,
0.3197

345.1356, 0.2602,

 2.8186, 0.0976,

0.3315

407.6330, 0.2629,
0.3315

0.3089

1.0378, 0.0000,
0.2993

0.0000, 0.0000,
0.0000

74.8068, 0.2272,
0.3312

74.8068, 0.2272,
0.3312

74.5176, 0.2257,
0.3315

75.4059, 0.2303,
0.3309

74.4560, 0.2255,
0.3316

76.3638, 0.2353,
0.3306

77.7290, 0.2423,
0.3303

79.5404, 0.2512,
0.3301

81.8325, 0.2619,
0.3298

84.6364, 0.2742,
0.3296

87.9805, 0.2879,
0.3293

91.8913, 0.3027,
0.3291

95.8642, 0.3165,
0.3289

Harmonies

Analogous

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



74.8068, 0.2671, 0.3897



74.8068, 0.2272, 0.3312



74.8068, 0.2098, 0.2791

Triad

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



74.8068, 0.2272, 0.3312



74.8068, 0.2951, 0.2494



74.8068, 0.4163, 0.4040

Complementary

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



74.8068, 0.2272, 0.3312



21.3919, 0.6145, 0.3291

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.



74.8068, 0.4278, 0.3621



74.8068, 0.2272, 0.3312



74.8068, 0.3541, 0.2775

Square

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



74.8068, 0.2272, 0.3312



74.8068, 0.2460, 0.2382



74.8068, 0.4047, 0.3173



74.8068, 0.3765, 0.4313

Rectangle

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



74.8068, 0.2272, 0.3312



74.8068, 0.2116, 0.2554



74.8068, 0.4047, 0.3173



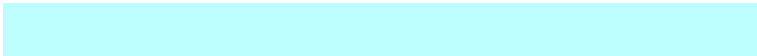
74.8068, 0.4238, 0.3909

Sweetspot

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



74.8096, 0.2272, 0.3312



89.4810, 0.2748, 0.3295



68.2703, 0.3011, 0.5884



18.9175, 0.2703, 0.3296



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.



74.8096, 0.2272, 0.3312



78.5888, 0.2255, 0.3316



27.4023, 0.1874, 0.1843



19.6057, 0.2982, 0.3292



39.8520, 0.2254, 0.3315



3.6919, 0.2253, 0.3312

Inverse Universe

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



21.3919, 0.6145, 0.3291



21.2652, 0.6394, 0.3296



38.3597, 0.5199, 0.4120



17.2278, 0.3293, 0.3288



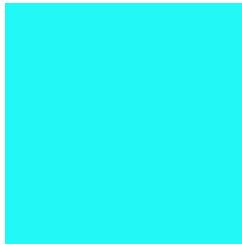
10.7843, 0.6391, 0.3294



0.9997, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 74.8068, 0.2272, 0.3312 looks on a white background.

Color Contrast Check

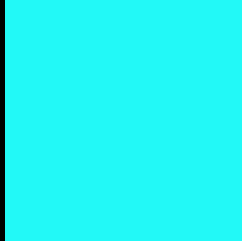
Large Text (above 18pt) WCAG AA × Fail

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 74.8068, 0.2272, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

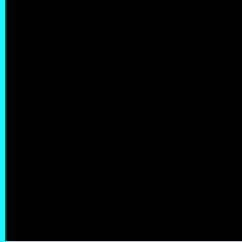
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

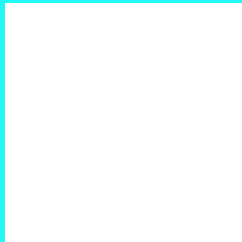
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8068, 0.2272, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 74.8068, 0.2272, 0.3312.

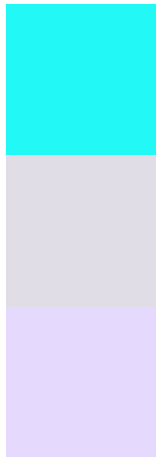


This preview shows how white text looks on a background with the Yxy color 74.8068, 0.2272, 0.3312.

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

74.8068, 0.2272, 0.3312

Protanopia

73.2734, 0.3089, 0.3194

Deuteranopia

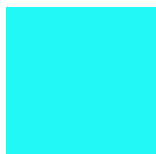
73.4395, 0.2972, 0.2909



Tritanopia

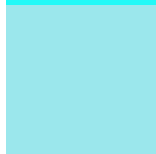
74.2860, 0.2449, 0.3114

Trichromacy



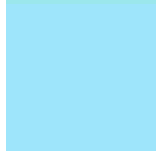
Original Color

74.8068, 0.2272, 0.3312



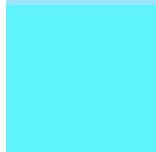
Protanomaly

70.1765, 0.2634, 0.3230



Deuteranomaly

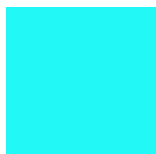
70.2728, 0.2572, 0.3036



Tritanomaly

73.5624, 0.2349, 0.3180

Monochromacy



Original Color

74.8068, 0.2272, 0.3312



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.2839, 0.2608, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8068, 0.2272, 0.3312 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(34, 249, 247)` looks like.

```
.text, #text, p{  
    color:rgb(34, 249, 247)  
}
```

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(34, 249, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 249, 247) }
```

Border

The CSS property to change the border of an element to Yxy 74.8068, 0.2272, 0.3312 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(34, 249, 247) }
```

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

```
.border{ border-color:rgb(34, 249, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 249, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 249, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 249, 247);  
box-shadow:4px 4px 4px 4px rgb(34, 249,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8068, 0.2272, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 249, 247) }
```

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

```
.background{ background-color: rgb(34, 249,  
247) }
```

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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