

Converting Colors

$Y_{xy}(102.6892, 0.2552, 0.3616)$

Have a look what the booklet for
Yxy(102.6892, 0.2552, 0.3616)
contains.

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Color

Yxy(83.4371, 0.2494, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	83FFFD
RGB	131, 255, 253
RGB Percent	51%, 100%, 99%
CMY	0.4862, 0.0000, 0.0079
CMYK	0.49, 0.00, 0.01, 0.00
HSL	179°, 100%, 76%
HSV	179°, 49%, 100%
XYZ	62.8487, 83.4371, 105.7139
YIQ	217.6960, -73.2620, -26.9100

Conversions

Conversions Part 2

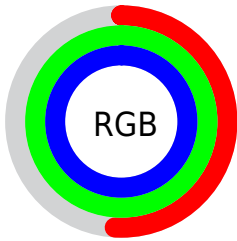
Format	Color
RYB	131, 194, 255
Decimal	8650749
CIELab	93.21, -35.11, -9.76
CIElCh	93, 36.442, 195.527
Yxy	83.4371, 0.2494, 0.3311
Android (android.graphics.Color)	4286840829 (0xFF83FFFD)
YUV	217.6960, 17.4049, -76.0324
Hunter-Lab	91.3439, -37.0358, -4.6766

Details

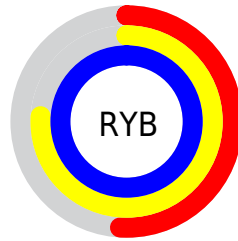
The Yxy color **83.4371, 0.2494, 0.3311** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **39.1882, 0.4477, 0.3273**, and the grayscale version is **69.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **45.5319, 0.2361, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **81.6192, 0.2410, 0.3316**, and if you desaturate by 10%, it is **85.7563, 0.2597, 0.3306**.

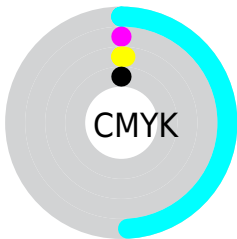
Distribution



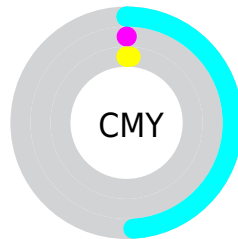
- Red (51%)
- Green (100%)
- Blue (99%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4371, 0.2494, 0.3311 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 83.4371, 0.2494, 0.3311 by changing the saturation by 10% instead.

 83.4371, 0.2494,
0.3311


 83.4371, 0.2494,
0.3311


506.4421, 0.2774,
0.3308


 62.5508, 0.2433,
0.3310


 138.1875, 0.2589,
0.3311

 45.4779, 0.2359,
0.3308

 172.8204, 0.2626,
0.3311

 31.8340, 0.2268,
0.3305


 212.8042, 0.2659,
0.3311

 21.2348, 0.2154,
0.3299

258.5235, 0.2688,
0.3310

 13.2957, 0.2004,
0.3288

310.3625, 0.2713,
0.3310

 7.6325, 0.1804,
0.3266

368.7057, 0.2736,

 3.8607, 0.1522,

0.3309

433.9374, 0.2756,
0.3309

0.3222

1.5959, 0.1047,
0.3139

0.3549, 0.0000,
0.2487

83.4371, 0.2494,
0.3311

83.4371, 0.2494,
0.3311

81.6192, 0.2410,
0.3316

85.7563, 0.2597,
0.3306

80.2647, 0.2345,
0.3321

88.6100, 0.2717,
0.3301

79.3311, 0.2300,
0.3326

92.0291, 0.2850,
0.3297

78.7680, 0.2273,
0.3332

96.0419, 0.2995,
0.3293

■ 78.5032, 0.2262,
0.3337

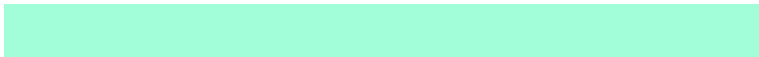
100.0000, 0.3127,
0.3290

■ 78.4770, 0.2260,
0.3337

Harmonies

Analogous

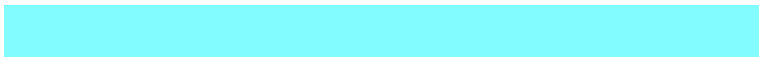
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4371, 0.2796, 0.3717



83.4371, 0.2494, 0.3311



83.4371, 0.2358, 0.2933

Triad

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



83.4371, 0.2494, 0.3311



83.4371, 0.3009, 0.2694



83.4371, 0.3886, 0.3860

Complementary

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



83.4371, 0.2494, 0.3311



39.1882, 0.4477, 0.3273

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.



83.4371, 0.3962, 0.3558



83.4371, 0.2494, 0.3311



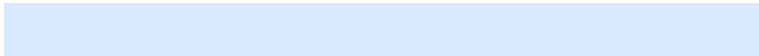
83.4371, 0.3437, 0.2911

Square

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



83.4371, 0.2494, 0.3311



83.4371, 0.2640, 0.2611



83.4371, 0.3795, 0.3218



83.4371, 0.3601, 0.4034

Rectangle

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



83.4371, 0.2494, 0.3311



83.4371, 0.2372, 0.2752



83.4371, 0.3795, 0.3218



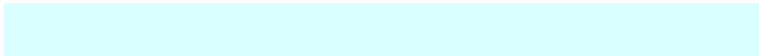
83.4371, 0.3937, 0.3768

Sweetspot

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



83.4373, 0.2494, 0.3311



93.4136, 0.2902, 0.3296



78.1514, 0.3065, 0.4835



19.8200, 0.2872, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

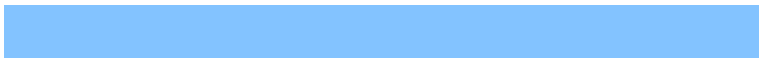
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4373, 0.2494, 0.3311



81.7188, 0.2414, 0.3316



51.1074, 0.2347, 0.2555



20.4761, 0.2982, 0.3293



41.0083, 0.2260, 0.3337



3.9944, 0.2259, 0.3331

Inverse Universe

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



39.1882, 0.4477, 0.3273



32.9110, 0.4902, 0.3273



60.1329, 0.4158, 0.3910



17.9918, 0.3292, 0.3287



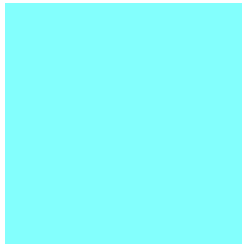
11.1156, 0.6384, 0.3291



1.0839, 0.6345, 0.3269

Previews

White Background



This preview shows how the Yxy color 83.4371, 0.2494, 0.3311 looks on a white background.

Color Contrast Check

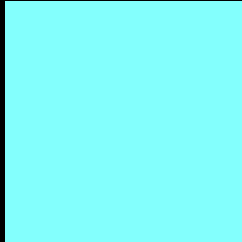
Large Text (above 18pt) WCAG AA × Fail

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 83.4371, 0.2494, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

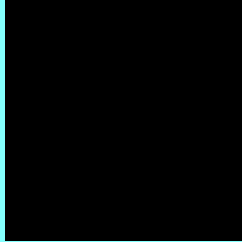
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

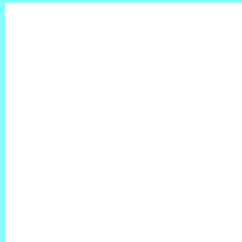
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4371, 0.2494, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 83.4371, 0.2494, 0.3311.

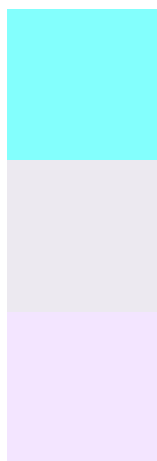


This preview shows how white text looks on a background with the Yxy color 83.4371, 0.2494, 0.3311.

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

83.4371, 0.2494, 0.3311

Protanopia

82.4020, 0.3104, 0.3219

Deuteranopia

82.3133, 0.3059, 0.3032



Tritanopia

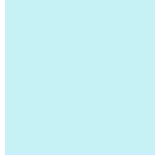
82.9977, 0.2747, 0.3171

Trichromacy



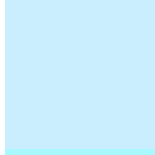
Original Color

83.4371, 0.2494, 0.3311



Protanomaly

81.5089, 0.2837, 0.3246



Deuteranomaly

80.8614, 0.2809, 0.3119



Tritanomaly

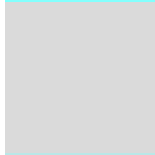
82.7256, 0.2642, 0.3223

Monochromacy



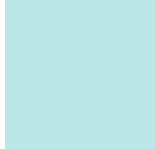
Original Color

83.4371, 0.2494, 0.3311



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3605, 0.2836, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4371, 0.2494, 0.3311 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(131, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(131, 255, 253)  
}
```

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(131, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 255, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.4371, 0.2494, 0.3311 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(131, 255, 253) }
```

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

```
.border{ border-color:rgb(131, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(131, 255,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4371, 0.2494, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 255, 253) }
```

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

```
.background{ background-color: rgb(131,  
255, 253) }
```

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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