

Converting Colors

$Y_{xy}(81.1431, 0.2525, 0.3431)$

Have a look what the booklet for
Yxy(81.1431, 0.2525, 0.3431)
contains.

Yxy(81.1135, 0.2526, 0.3428)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.1135, 0.2526, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	7FFDF1
RGB	127, 253, 241
RGB Percent	50%, 99%, 95%
CMY	0.5015, 0.0079, 0.0548
CMYK	0.50, 0.00, 0.05, 0.01
HSL	174°, 97%, 75%
HSV	174°, 50%, 99%
XYZ	59.7703, 81.1135, 95.7366
YIQ	213.9580, -71.2440, -30.4440

Conversions

Conversions Part 2

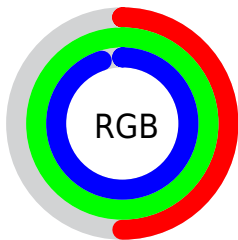
Format	Color
RYB	127, 193, 253
Decimal	8388081
CIELab	92.18, -37.93, -5.08
CIELCh	92, 38.271, 187.631
Yxy	81.1135, 0.2526, 0.3428
Android (android.graphics.Color)	4286578161 (0xFF7FFDF1)
YUV	213.9580, 13.3317, -76.2622
Hunter-Lab	90.0630, -39.1488, 0.0191

Details

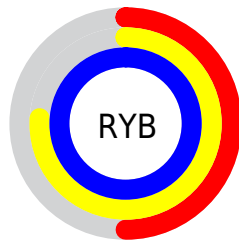
The Yxy color **81.1135, 0.2526, 0.3428** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.9595, 0.4407, 0.3170**, and the grayscale version is **67.1830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **44.0068, 0.2395, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **79.2667, 0.2449, 0.3460**, and if you desaturate by 10%, it is **83.4563, 0.2621, 0.3397**.

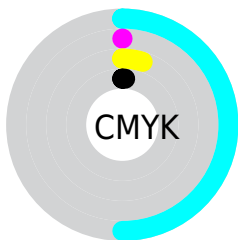
Distribution



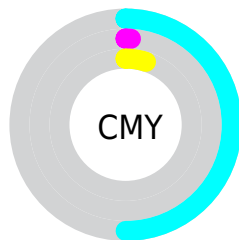
- Red (50%)
- Green (99%)
- Blue (95%)



- Red (50%)
- Yellow (76%)
- Blue (99%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (1%)





- Cyan (50%)
- Magenta (1%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1135, 0.2526, 0.3428 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 81.1135, 0.2526, 0.3428 by changing the saturation by 10% instead.


 81.1135, 0.2526,
0.3428


 81.1135, 0.2526,
0.3428


498.6775, 0.2795,
0.3370

 60.6351, 0.2467,
0.3440

 134.9301, 0.2617,
0.3409

 43.9307, 0.2395,
0.3454


 169.0371, 0.2654,
0.3401

 30.6161, 0.2306,
0.3471


 208.4558, 0.2685,
0.3394

 20.3067, 0.2192,
0.3491

253.5705, 0.2712,
0.3388

 12.6182, 0.2043,
0.3516

304.7656, 0.2737,
0.3383

 7.1661, 0.1840,
0.3546


362.4255, 0.2758,


 3.5662, 0.1550,


0.3378


426.9347, 0.2777,
0.3374


0.3579


 1.4340, 0.0914,
0.3682


 0.2416, 0.0000,
0.2809


 81.1135, 0.2526,
0.3428


 81.1135, 0.2526,
0.3428


 79.2667, 0.2449,
0.3460


 83.4563, 0.2621,
0.3397


 77.8692, 0.2392,
0.3493


 86.3189, 0.2732,
0.3367


 76.8816, 0.2354,
0.3526


 89.7349, 0.2855,
0.3339

 76.2532, 0.2335,
0.3559

 93.7324, 0.2989,
0.3313

 75.9032, 0.2331,
0.3591

 98.3376, 0.3131,
0.3289

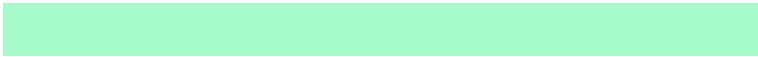
 75.8958, 0.2331,
0.3592

 98.7229, 0.3128,
0.3271

Harmonies

Analogous

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



81.1135, 0.2881, 0.3841



81.1135, 0.2526, 0.3428



81.1135, 0.2334, 0.3004

Triad

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



81.1135, 0.2526, 0.3428



81.1135, 0.2888, 0.2624



81.1135, 0.3976, 0.3815

Complementary

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



81.1135, 0.2526, 0.3428



37.9595, 0.4407, 0.3170

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.



81.1135, 0.3991, 0.3476



81.1135, 0.2526, 0.3428



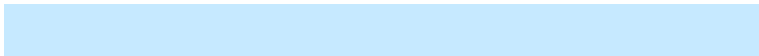
81.1135, 0.3336, 0.2818

Square

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



81.1135, 0.2526, 0.3428



81.1135, 0.2531, 0.2578



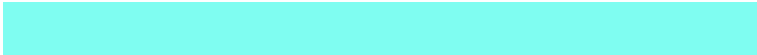
81.1135, 0.3751, 0.3121



81.1135, 0.3723, 0.4048

Rectangle

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



81.1135, 0.2526, 0.3428



81.1135, 0.2314, 0.2786



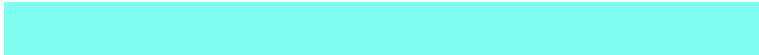
81.1135, 0.3751, 0.3121



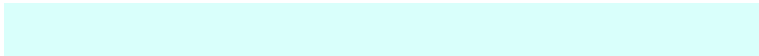
81.1135, 0.4010, 0.3708

Sweetspot

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



81.1167, 0.2526, 0.3428



93.2213, 0.2918, 0.3326



77.3293, 0.3118, 0.4849



19.7731, 0.2890, 0.3332



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

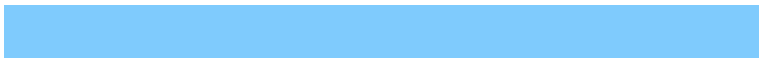
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1167, 0.2526, 0.3428



80.6626, 0.2447, 0.3461



54.1571, 0.2356, 0.2671



20.4499, 0.2993, 0.3313



40.3901, 0.2330, 0.3587



3.9410, 0.2319, 0.3550

Inverse Universe

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



37.9595, 0.4407, 0.3170



32.0366, 0.4845, 0.3156



54.0474, 0.4249, 0.3817



18.0151, 0.3279, 0.3268



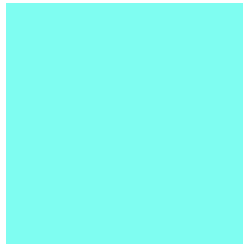
11.1531, 0.6296, 0.3242



1.0949, 0.6091, 0.3129

Previews

White Background



This preview shows how the Yxy color 81.1135, 0.2526, 0.3428 looks on a white background.

Color Contrast Check

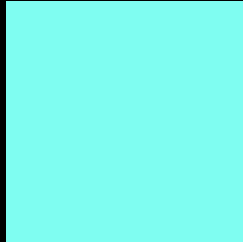
Large Text (above 18pt) WCAG AA × Fail

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 81.1135, 0.2526, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

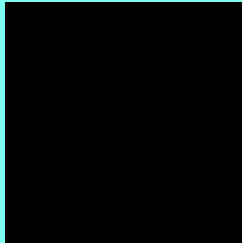
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.1135, 0.2526, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 81.1135, 0.2526, 0.3428.

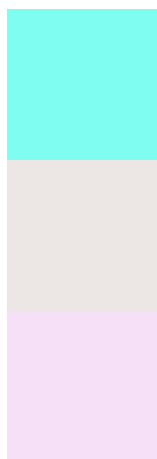


This preview shows how white text looks on a background with the Yxy color 81.1135, 0.2526, 0.3428.

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

81.1135, 0.2526, 0.3428

Protanopia

80.0279, 0.3181, 0.3311

Deuteranopia

79.6195, 0.3131, 0.3061



Tritanopia

80.4276, 0.2685, 0.3147

Trichromacy



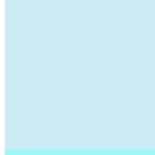
Original Color

81.1135, 0.2526, 0.3428



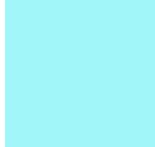
Protanomaly

78.7680, 0.2889, 0.3344



Deuteranomaly

78.7057, 0.2863, 0.3182



Tritanomaly

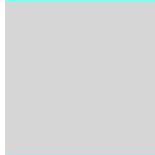
80.3907, 0.2619, 0.3244

Monochromacy



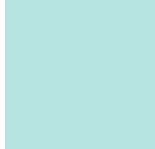
Original Color

81.1135, 0.2526, 0.3428



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.8137, 0.2849, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1135, 0.2526, 0.3428 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(127, 253, 241)` looks like.

```
.text, #text, p{  
    color:rgb(127, 253, 241)  
}
```

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(127, 253, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 253, 241) }
```

Border

The CSS property to change the border of an element to Yxy 81.1135, 0.2526, 0.3428 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(127, 253, 241) }
```

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

```
.border{ border-color:rgb(127, 253, 241) }
```

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

Here you see how a box with a 4 pixel rgb(127, 253, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 253, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 253, 241);  
box-shadow:4px 4px 4px 4px rgb(127, 253,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1135, 0.2526, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 253, 241) }
```

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

```
.background{ background-color: rgb(127,  
253, 241) }
```

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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