

Converting Colors

$Y_{xy}(81.3740, 0.2570, 0.3605)$

Have a look what the booklet for
Yxy(81.3740, 0.2570, 0.3605)
contains.

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Color

Yxy(81.3324, 0.2571, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	7BFFE4
RGB	123, 255, 228
RGB Percent	48%, 100%, 89%
CMY	0.5179, 0.0000, 0.1059
CMYK	0.52, 0.00, 0.11, 0.00
HSL	168°, 100%, 74%
HSV	168°, 52%, 100%
XYZ	57.9240, 81.3324, 86.0411
YIQ	212.4540, -70.0050, -36.3810

Conversions

Conversions Part 2

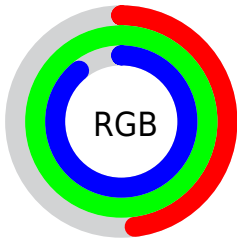
Format	Color
RYB	123, 197, 255
Decimal	8126436
CIELab	92.28, -42.81, 1.79
CIELCh	92, 42.846, 177.612
Yxy	81.3324, 0.2571, 0.3610
Android (android.graphics.Color)	4286316516 (0xFF7BFFE4)
YUV	212.4540, 7.6642, -78.4512
Hunter-Lab	90.1845, -43.1753, 6.5631

Details

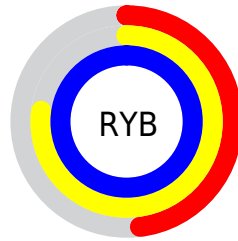
The Yxy color **81.3324, 0.2571, 0.3610** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.6097, 0.4316, 0.3017**, and the grayscale version is **66.1245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **44.2752, 0.2447, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **79.4014, 0.2506, 0.3683**, and if you desaturate by 10%, it is **83.7518, 0.2653, 0.3539**.

Distribution



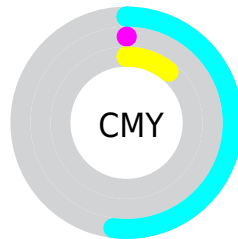
- Red (48%)
- Green (100%)
- Blue (89%)



- Red (48%)
- Yellow (77%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3324, 0.2571, 0.3610 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 81.3324, 0.2571, 0.3610 by changing the saturation by 10% instead.

 81.3324, 0.2571,
0.3610


 81.3324, 0.2571,
0.3610

499.4118, 0.2822,
0.3464


 60.8154, 0.2515,
0.3643


 135.2374, 0.2657,
0.3560

 44.0762, 0.2447,
0.3683


 169.3942, 0.2691,
0.3540

 30.7304, 0.2362,
0.3733


 208.8664, 0.2720,
0.3523

 20.3937, 0.2252,
0.3798

254.0383, 0.2746,
0.3509

 12.6815, 0.2108,
0.3884

305.2945, 0.2768,
0.3496

 7.2096, 0.1908,
0.4006

363.0192, 0.2788,

 3.5935, 0.1616,

0.3484

0.4186

427.5968, 0.2806,
0.3474

■ 1.4489, 0.0795,
0.4664

■ 0.2523, 0.0000,
0.6272

■ 81.3324, 0.2571,
0.3610

■ 81.3324, 0.2571,
0.3610

■ 79.4014, 0.2506,
0.3683

■ 83.7518, 0.2653,
0.3539

■ 77.9346, 0.2461,
0.3759

■ 86.7092, 0.2751,
0.3472


■ 76.8824, 0.2436,
0.3834

■ 90.2314, 0.2860,
0.3409

■ 76.1906, 0.2430,
0.3910

■ 94.3474, 0.2979,
0.3352

 75.8252, 0.2436,
0.3971

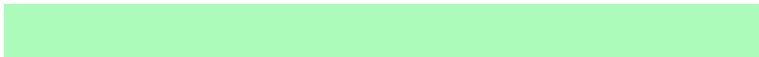
 99.0844, 0.3104,
0.3299

100.0000, 0.3127,
0.3290

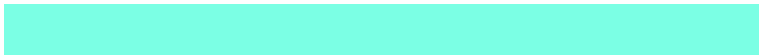
Harmonies

Analogous

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



81.3324, 0.3008, 0.4031



81.3324, 0.2571, 0.3610



81.3324, 0.2295, 0.3114

Triad

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



81.3324, 0.2571, 0.3610



81.3324, 0.2710, 0.2516



81.3324, 0.4114, 0.3748

Complementary

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



81.3324, 0.2571, 0.3610



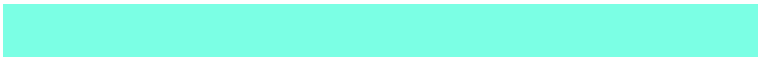
37.6097, 0.4316, 0.3017

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.



81.3324, 0.4034, 0.3357



81.3324, 0.2571, 0.3610



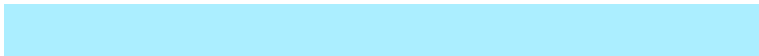
81.3324, 0.3187, 0.2680

Square

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



81.3324, 0.2571, 0.3610



81.3324, 0.2371, 0.2524



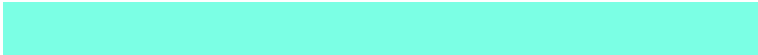
81.3324, 0.3684, 0.2979



81.3324, 0.3908, 0.4065

Rectangle

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



81.3324, 0.2571, 0.3610



81.3324, 0.2225, 0.2836



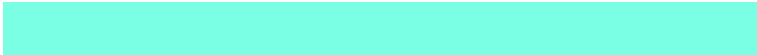
81.3324, 0.3684, 0.2979



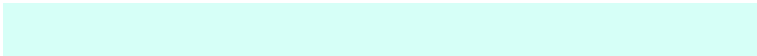
81.3324, 0.4121, 0.3621

Sweetspot

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



81.3274, 0.2571, 0.3610



92.5405, 0.2928, 0.3375



79.5804, 0.3200, 0.4879



19.6268, 0.2904, 0.3387



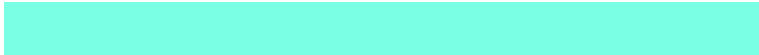
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.3274, 0.2571, 0.3610



79.3660, 0.2505, 0.3685



61.3521, 0.2366, 0.2837



20.4141, 0.3007, 0.3339



39.6425, 0.2433, 0.3959



3.8752, 0.2409, 0.3873

Inverse Universe

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



37.6097, 0.4316, 0.3017



31.3819, 0.4705, 0.2984



47.9526, 0.4407, 0.3679



18.0478, 0.3262, 0.3242



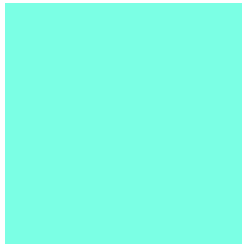
11.2560, 0.6068, 0.3116



1.1108, 0.5768, 0.2951

Previews

White Background



This preview shows how the Yxy color 81.3324, 0.2571, 0.3610 looks on a white background.

Color Contrast Check

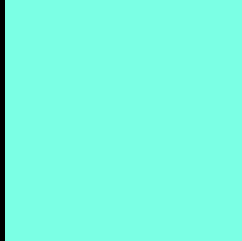
Large Text (above 18pt) WCAG AA × Fail

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 81.3324, 0.2571, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

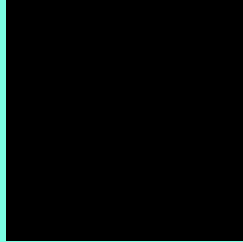
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.3324, 0.2571, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 81.3324, 0.2571, 0.3610.

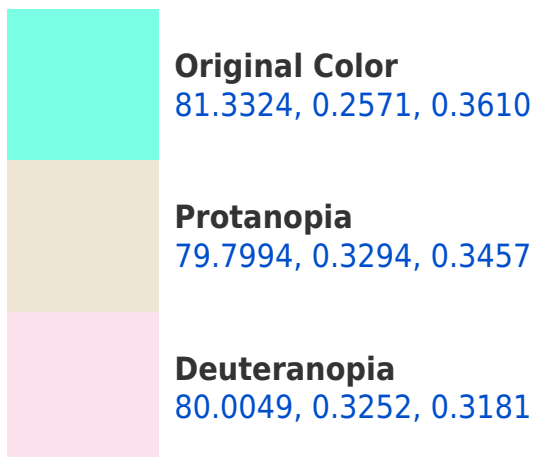


This preview shows how white text looks on a background with the Yxy color 81.3324, 0.2571, 0.3610.

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





Tritanopia

80.5480, 0.2690, 0.3147

Trichromacy



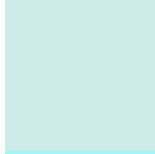
Original Color

81.3324, 0.2571, 0.3610



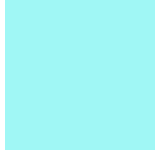
Protanomaly

78.7178, 0.2975, 0.3513



Deuteranomaly

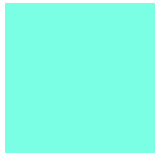
78.2220, 0.2950, 0.3322



Tritanomaly

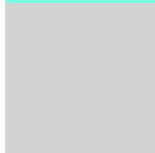
80.5877, 0.2639, 0.3311

Monochromacy



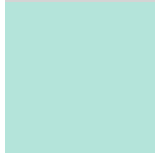
Original Color

81.3324, 0.2571, 0.3610



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.2521, 0.2871, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3324, 0.2571, 0.3610 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(123, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 228)  
}
```

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(123, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 81.3324, 0.2571, 0.3610 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(123, 255, 228) }
```

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

```
.border{ border-color:rgb(123, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3324, 0.2571, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 228) }
```

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

```
.background{ background-color: rgb(123,  
255, 228) }
```

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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