

Converting Colors

$Y_{xy}(100.0000, 0.2626, 0.3898)$

Have a look what the booklet for
Yxy(100.0000, 0.2626, 0.3898)
contains.

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Color

Yxy(81.4065, 0.2575, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	7CFFE4
RGB	124, 255, 228
RGB Percent	49%, 100%, 89%
CMY	0.5139, 0.0000, 0.1060
CMYK	0.51, 0.00, 0.11, 0.00
HSL	168°, 100%, 74%
HSV	168°, 51%, 100%
XYZ	58.0670, 81.4065, 86.0293
YIQ	212.7530, -69.4090, -36.1690

Conversions

Conversions Part 2

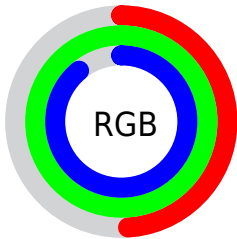
Format	Color
RYB	124, 197, 255
Decimal	8191972
CIELab	92.31, -42.60, 1.85
CIELCh	92, 42.642, 177.513
Yxy	81.4065, 0.2575, 0.3610
Android (android.graphics.Color)	4286382052 (0xFF7CFFE4)
YUV	212.7530, 7.5168, -77.8364
Hunter-Lab	90.2256, -43.0165, 6.6254

Details

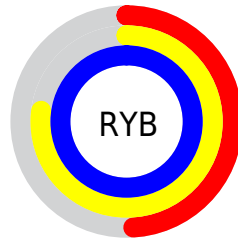
The Yxy color **81.4065, 0.2575, 0.3610** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.8976, 0.4299, 0.3016**, and the grayscale version is **66.3371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **44.3048, 0.2450, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **79.4542, 0.2510, 0.3684**, and if you desaturate by 10%, it is **83.8488, 0.2658, 0.3539**.

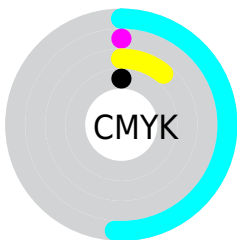
Distribution



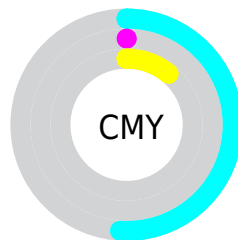
- Red (49%)
- Green (100%)
- Blue (89%)



- Red (49%)
- Yellow (77%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4065, 0.2575, 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 81.4065, 0.2575, 0.3610 by changing the saturation by 10% instead.


 81.4065, 0.2575,
0.3610


 81.4065, 0.2575,
0.3610


499.6603, 0.2825,
0.3464


 60.8764, 0.2520,
0.3643


 135.3414, 0.2660,
0.3560

 44.1255, 0.2452,
0.3683


 169.5150, 0.2694,
0.3540

 30.7692, 0.2367,
0.3733


 209.0053, 0.2723,
0.3523

 20.4231, 0.2259,
0.3798

254.1966, 0.2748,
0.3509

 12.7030, 0.2115,
0.3885

305.4734, 0.2771,
0.3496

 7.2243, 0.1916,
0.4006


363.2200, 0.2791,


 3.6028, 0.1626,

0.3484


0.4187

427.8208, 0.2809,
0.3474


 1.4540, 0.0819,
0.4661


 0.2560, 0.0000,
0.6315


 81.4065, 0.2575,
0.3610


 81.4065, 0.2575,
0.3610


 79.4542, 0.2510,
0.3684


 83.8488, 0.2658,
0.3539


 77.9680, 0.2464,
0.3760


 86.8306, 0.2756,
0.3471


 76.8984, 0.2438,
0.3836

 90.3784, 0.2865,
0.3408

 76.1918, 0.2431,
0.3913

 94.5214, 0.2984,
0.3350

 75.8035, 0.2438,
0.3977

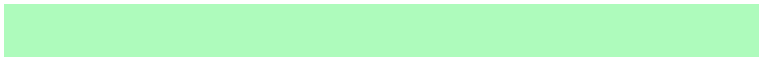
 99.2866, 0.3109,
0.3297

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.



81.4065, 0.3010, 0.4028



81.4065, 0.2575, 0.3610



81.4065, 0.2299, 0.3117

Triad

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



81.4065, 0.2575, 0.3610



81.4065, 0.2711, 0.2519



81.4065, 0.4109, 0.3745

Complementary

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



81.4065, 0.2575, 0.3610



37.8976, 0.4299, 0.3016

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.



81.4065, 0.4029, 0.3356



81.4065, 0.2575, 0.3610



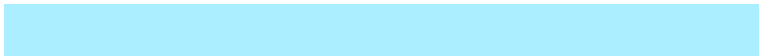
81.4065, 0.3185, 0.2682

Square

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



81.4065, 0.2575, 0.3610



81.4065, 0.2374, 0.2528



81.4065, 0.3680, 0.2979



81.4065, 0.3906, 0.4061

Rectangle

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



81.4065, 0.2575, 0.3610



81.4065, 0.2229, 0.2839



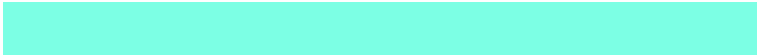
81.4065, 0.3680, 0.2979



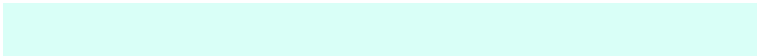
81.4065, 0.4116, 0.3618

Sweetspot

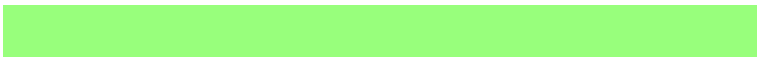
The Sweet Spot groups the original color and five complimentary colors.



81.4015, 0.2575, 0.3610



92.9557, 0.2941, 0.3370



79.6830, 0.3200, 0.4866



19.7085, 0.2915, 0.3382



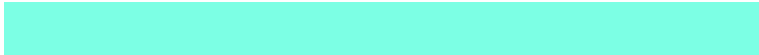
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.4015, 0.2575, 0.3610



79.3509, 0.2506, 0.3689



61.5772, 0.2371, 0.2841



20.4135, 0.3008, 0.3339



39.6313, 0.2435, 0.3965



3.8742, 0.2411, 0.3878

Inverse Universe

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



37.8976, 0.4299, 0.3016



31.3895, 0.4702, 0.2981



48.2331, 0.4393, 0.3676



18.0483, 0.3262, 0.3241



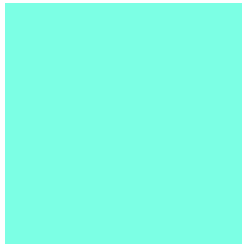
11.2583, 0.6063, 0.3114



1.1111, 0.5763, 0.2948

Previews

White Background



This preview shows how the Yxy color 81.4065, 0.2575, 0.3610 looks on a white background.

Color Contrast Check

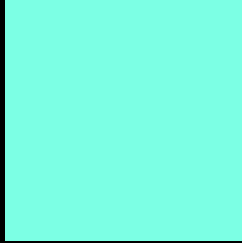
Large Text (above 18pt) WCAG AA × Fail

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 81.4065, 0.2575, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

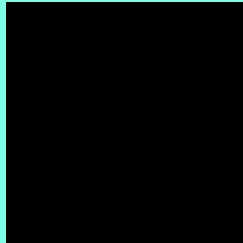
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

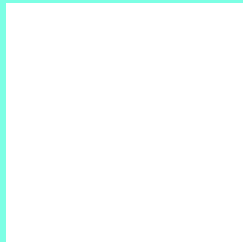
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.4065, 0.2575, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 81.4065, 0.2575, 0.3610.

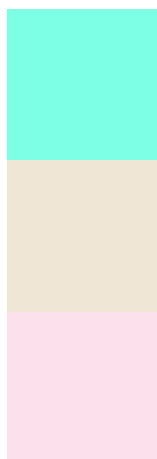


This preview shows how white text looks on a background with the Yxy color 81.4065, 0.2575, 0.3610.

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



Original Color

81.4065, 0.2575, 0.3610

Protanopia

79.7994, 0.3294, 0.3457

Deuteranopia

80.0049, 0.3252, 0.3181



Tritanopia

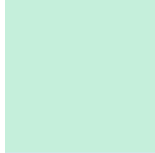
80.6693, 0.2696, 0.3147

Trichromacy



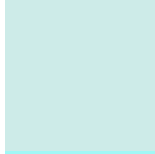
Original Color

81.4065, 0.2575, 0.3610



Protanomaly

78.7178, 0.2975, 0.3513



Deuteranomaly

78.2220, 0.2950, 0.3322



Tritanomaly

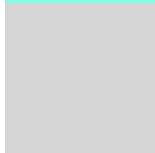
80.6912, 0.2644, 0.3311

Monochromacy



Original Color

81.4065, 0.2575, 0.3610



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3725, 0.2878, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4065, 0.2575, 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(124, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(124, 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(124, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 81.4065, 0.2575, 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(124, 255, 228) }
```

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

```
.border{ border-color:rgb(124, 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(124, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4065, 0.2575, 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(124, 255, 228) }
```

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

```
.background{ background-color: rgb(124,  
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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