

Converting Colors

$Y_{xy}(81.0993, 0.2631, 0.3289)$

Have a look what the booklet for
Yxy(81.0993, 0.2631, 0.3289)
contains.

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Color

Yxy(81.4273, 0.2636, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	A1F8F7
RGB	161, 248, 247
RGB Percent	63%, 97%, 97%
CMY	0.3689, 0.0274, 0.0314
CMYK	0.35, 0.00, 0.00, 0.03
HSL	179°, 86%, 80%
HSV	179°, 35%, 97%
XYZ	65.0431, 81.4273, 100.2790
YIQ	221.8730, -51.5310, -18.7550

Conversions

Conversions Part 2

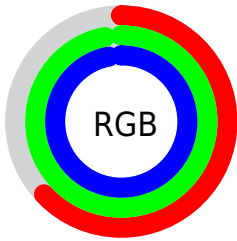
Format	Color
R_{YB}	161, 205, 248
Decimal	10615031
CIE _{Lab}	92.32, -26.29, -7.83
CIE _{LCh}	92, 27.430, 196.576
Yxy	81.4273, 0.2636, 0.3300
Android (android.graphics.Color)	4288805111 (0xFFA1F8F7)
YUV	221.8730, 12.3876, -53.3856
Hunter-Lab	90.2371, -29.2516, -2.7220

Details

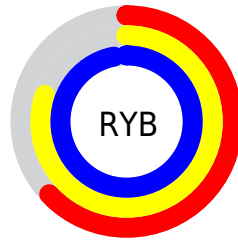
The Yxy color **81.4273, 0.2636, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.0347, 0.3960, 0.3281**, and the grayscale version is **72.8831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **44.0264, 0.2529, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **79.0876, 0.2527, 0.3303**, and if you desaturate by 10%, it is **84.2844, 0.2761, 0.3297**.

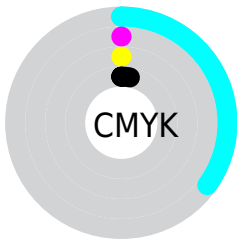
Distribution



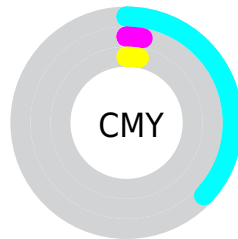
- Red (63%)
- Green (97%)
- Blue (97%)



- Red (63%)
- Yellow (80%)
- Blue (97%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (37%)
- Magenta (3%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4273, 0.2636, 0.3300 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 81.4273, 0.2636, 0.3300 by changing the saturation by 10% instead.


 81.4273, 0.2636,
0.3300

 81.4273, 0.2636,
0.3300

499.7300, 0.2856,
0.3300

 60.8936, 0.2588,
0.3299

 135.3706, 0.2711,
0.3301

 44.1393, 0.2529,
0.3298


 169.5490, 0.2740,
0.3301

 30.7800, 0.2456,
0.3295


209.0443, 0.2766,
0.3300

 20.4314, 0.2363,
0.3291

254.2411, 0.2788,
0.3300

 12.7090, 0.2240,
0.3283

305.5236, 0.2808,
0.3300

 7.2285, 0.2073,
0.3269

363.2764, 0.2826,

 3.6054, 0.1830,

0.3300

427.8837, 0.2841,
0.3300

0.3238

1.4554, 0.1428,
0.3174

0.2570, 0.0000,
0.2371

81.4273, 0.2636,
0.3300

81.4273, 0.2636,
0.3300

79.0876, 0.2527,
0.3303

84.2844, 0.2761,
0.3297

77.2253, 0.2435,
0.3307

87.6771, 0.2900,
0.3294

75.8100, 0.2363,
0.3311

91.6345, 0.3048,
0.3291

74.8037, 0.2311,
0.3314

95.1920, 0.3171,
0.3289

■ 74.1625, 0.2277,
0.3318

■ 95.2101, 0.3169,
0.3286

■ 73.8317, 0.2261,
0.3322

■ 95.2282, 0.3167,
0.3283

■ 73.7439, 0.2257,
0.3324

■ 95.2464, 0.3166,
0.3280

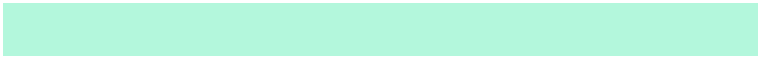
■ 95.2645, 0.3164,
0.3278

■ 95.2827, 0.3162,
0.3275

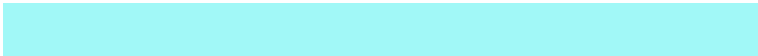
Harmonies

Analogous

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



81.4273, 0.2868, 0.3600



81.4273, 0.2636, 0.3300



81.4273, 0.2533, 0.3016

Triad

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



81.4273, 0.2636, 0.3300



81.4273, 0.3052, 0.2833



81.4273, 0.3700, 0.3738

Complementary

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



81.4273, 0.2636, 0.3300



48.0347, 0.3960, 0.3281

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.



81.4273, 0.3760, 0.3513



81.4273, 0.2636, 0.3300



81.4273, 0.3375, 0.3006

Square

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



81.4273, 0.2636, 0.3300



81.4273, 0.2763, 0.2766



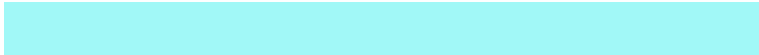
81.4273, 0.3640, 0.3249



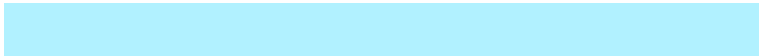
81.4273, 0.3483, 0.3855

Rectangle

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



81.4273, 0.2636, 0.3300



81.4273, 0.2547, 0.2876



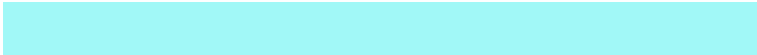
81.4273, 0.3640, 0.3249



81.4273, 0.3740, 0.3671

Sweetspot

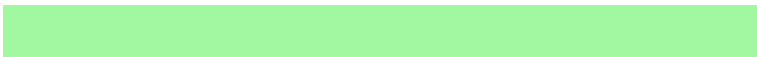
The Sweet Spot groups the original color and five complimentary colors.



81.4305, 0.2636, 0.3300



95.0416, 0.2959, 0.3293



77.4381, 0.3086, 0.4347



20.2232, 0.2939, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

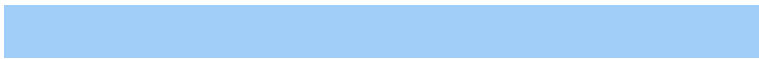
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.4305, 0.2636, 0.3300



84.9459, 0.2558, 0.3302



58.4571, 0.2564, 0.2791



19.6049, 0.2982, 0.3292



39.8321, 0.2256, 0.3323



3.6902, 0.2255, 0.3318

Inverse Universe

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



48.0347, 0.3960, 0.3281



44.5834, 0.4212, 0.3280



65.2545, 0.3810, 0.3739



17.2285, 0.3292, 0.3288



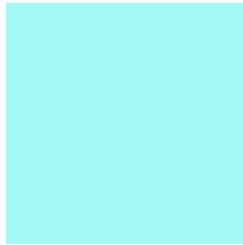
10.7853, 0.6389, 0.3293



1.0000, 0.6359, 0.3277

Previews

White Background



This preview shows how the Yxy color 81.4273, 0.2636, 0.3300 looks on a white background.

Color Contrast Check

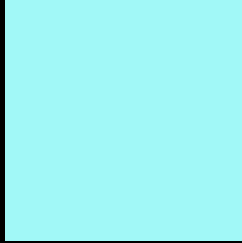
Large Text (above 18pt) WCAG AA × Fail

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 81.4273, 0.2636, 0.3300 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 81.4273, 0.2636, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 81.4273, 0.2636, 0.3300.

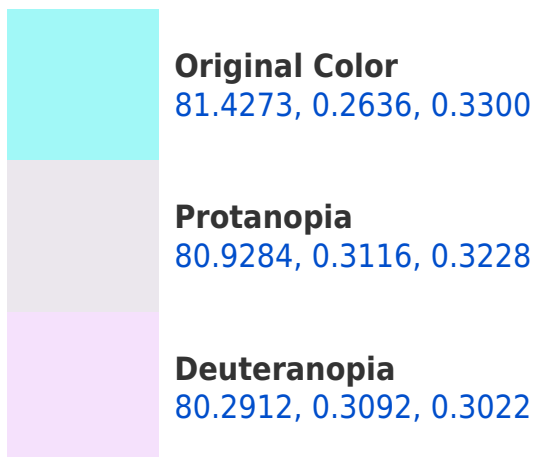


This preview shows how white text looks on a background with the Yxy color 81.4273, 0.2636, 0.3300.

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

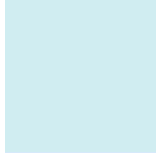
81.0777, 0.2738, 0.3138

Trichromacy



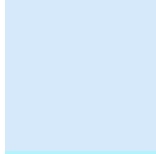
Original Color

81.4273, 0.2636, 0.3300



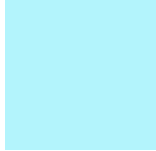
Protanomaly

80.3291, 0.2917, 0.3247



Deuteranomaly

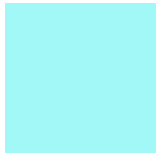
79.4761, 0.2901, 0.3111



Tritanomaly

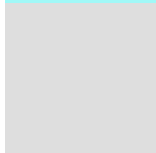
81.3133, 0.2697, 0.3201

Monochromacy



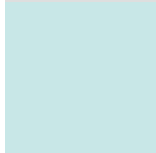
Original Color

81.4273, 0.2636, 0.3300



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.2007, 0.2923, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4273, 0.2636, 0.3300 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(161, 248, 247)` looks like.

```
.text, #text, p{  
    color:rgb(161, 248, 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(161, 248, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 248, 247) }
```

Border

The CSS property to change the border of an element to Yxy 81.4273, 0.2636, 0.3300 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(161, 248, 247) }
```

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

```
.border{ border-color:rgb(161, 248, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 248, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 248, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 248, 247);  
box-shadow:4px 4px 4px 4px rgb(161, 248,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4273, 0.2636, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 248, 247) }
```

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

```
.background{ background-color: rgb(161,  
248, 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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