

Converting Colors

$Y_{xy}(82.0289, 0.2604, 0.3272)$

Have a look what the booklet for
Yxy(82.0289, 0.2604, 0.3272)
contains.

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Color

Yxy(81.8845, 0.2600, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	9DF9FB
RGB	157, 249, 251
RGB Percent	62%, 98%, 98%
CMY	0.3845, 0.0235, 0.0156
CMYK	0.37, 0.01, 0.00, 0.02
HSL	181°, 92%, 80%
HSV	181°, 37%, 98%
XYZ	65.1867, 81.8845, 103.6468
YIQ	221.7200, -55.4740, -18.8820

Conversions

Conversions Part 2

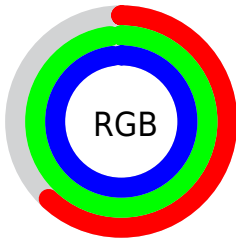
Format	Color
RYB	157, 203, 251
Decimal	10353147
CIELab	92.52, -26.84, -9.63
CIElCh	93, 28.514, 199.741
Yxy	81.8845, 0.2600, 0.3266
Android (android.graphics.Color)	4288543227 (0xFF9DF9FB)
YUV	221.7200, 14.4350, -56.7594
Hunter-Lab	90.4901, -29.7708, -4.5674

Details

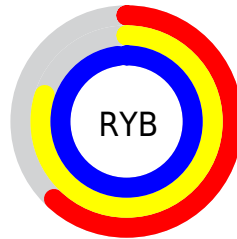
The Yxy color **81.8845, 0.2600, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.7245, 0.4046, 0.3314**, and the grayscale version is **72.7594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **44.3487, 0.2484, 0.3244** is the 20% darker color. If you saturate the color by 10%, you get **79.2881, 0.2492, 0.3259**, and if you desaturate by 10%, it is **85.0069, 0.2725, 0.3273**.

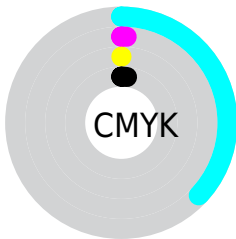
Distribution



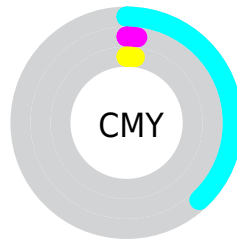
- Red (62%)
- Green (98%)
- Blue (98%)



- Red (62%)
- Yellow (80%)
- Blue (98%)



- Cyan (37%)
- Magenta (1%)
- Yellow (0%)
- Black (2%)





- Cyan (38%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8845, 0.2600, 0.3266 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 81.8845, 0.2600, 0.3266 by changing the saturation by 10% instead.


 81.8845, 0.2600,
0.3266


 81.8845, 0.2600,
0.3266


501.2613, 0.2835,
0.3282

 61.2703, 0.2549,
0.3261


 136.0120, 0.2680,
0.3272

 44.4434, 0.2486,
0.3255


 170.2942, 0.2711,
0.3274

 31.0192, 0.2409,
0.3247


209.9011, 0.2739,
0.3276

 20.6135, 0.2310,
0.3235

255.2172, 0.2763,
0.3278

 12.8418, 0.2181,
0.3216

306.6269, 0.2784,
0.3279

 7.3197, 0.2005,
0.3185


364.5145, 0.2803,


 3.6628, 0.1753,


0.3280

0.3130


429.2645, 0.2820,
0.3281


 1.4868, 0.1347,
0.3023


 0.2794, 0.0000,
0.2223


 81.8845, 0.2600,
0.3266


 81.8845, 0.2600,
0.3266


 79.2881, 0.2492,
0.3259


 85.0069, 0.2725,
0.3273


 77.1759, 0.2401,
0.3252

 88.6747, 0.2863,
0.3280

 75.5158, 0.2331,
0.3244

 92.9184, 0.3011,
0.3286

 74.2672, 0.2280,
0.3237

 97.3136, 0.3152,
0.3291

73.3828, 0.2247,
0.3230

97.6482, 0.3152,
0.3296

72.8002, 0.2231,
0.3223

97.9838, 0.3152,
0.3302

72.6773, 0.2228,
0.3221

98.3203, 0.3151,
0.3307

98.6577, 0.3151,
0.3312

98.9961, 0.3151,
0.3317

Harmonies

Analogous

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



81.8845, 0.2828, 0.3582



81.8845, 0.2600, 0.3266



81.8845, 0.2510, 0.2979

Triad

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



81.8845, 0.2600, 0.3266



81.8845, 0.3084, 0.2831



81.8845, 0.3704, 0.3773

Complementary

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



81.8845, 0.2600, 0.3266



47.7245, 0.4046, 0.3314

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.



81.8845, 0.3786, 0.3548



81.8845, 0.2600, 0.3266



81.8845, 0.3418, 0.3019

Square

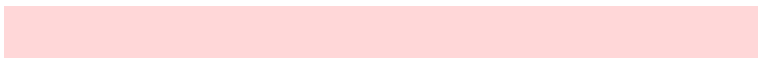
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8845, 0.2600, 0.3266



81.8845, 0.2777, 0.2749



81.8845, 0.3681, 0.3276



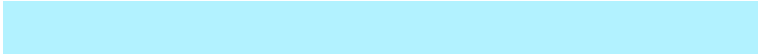
81.8845, 0.3465, 0.3880

Rectangle

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



81.8845, 0.2600, 0.3266



81.8845, 0.2535, 0.2843



81.8845, 0.3681, 0.3276



81.8845, 0.3752, 0.3707

Sweetspot

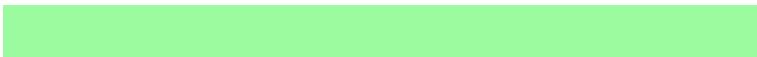
The Sweet Spot groups the original color and five complimentary colors.



81.8877, 0.2600, 0.3266



94.6824, 0.2958, 0.3284



78.6529, 0.3066, 0.4415



20.1368, 0.2937, 0.3283



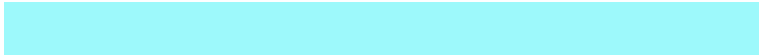
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.8877, 0.2600, 0.3266



82.7885, 0.2516, 0.3261



56.5649, 0.2519, 0.2713



19.5414, 0.2980, 0.3284



38.2265, 0.2229, 0.3223



3.5600, 0.2231, 0.3231

Inverse Universe

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



51.4493, 0.3187, 0.2378



47.1530, 0.3199, 0.2208



66.8708, 0.3856, 0.3801



17.5178, 0.3141, 0.3061



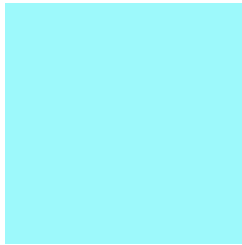
14.2699, 0.3263, 0.1571



1.3236, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 81.8845, 0.2600, 0.3266 looks on a white background.

Color Contrast Check

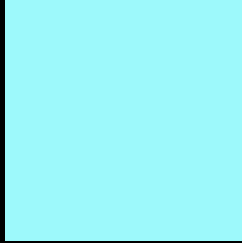
Large Text (above 18pt) WCAG AA × Fail

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 81.8845, 0.2600, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

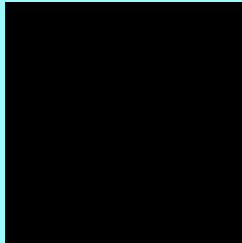
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8845, 0.2600, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 81.8845, 0.2600, 0.3266.

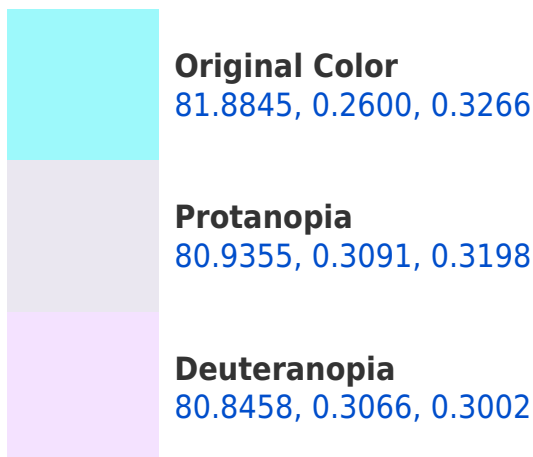


This preview shows how white text looks on a background with the Yxy color 81.8845, 0.2600, 0.3266.

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

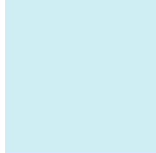
81.6714, 0.2739, 0.3149

Trichromacy



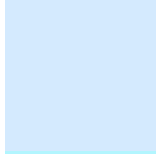
Original Color

81.8845, 0.2600, 0.3266



Protanomaly

80.8025, 0.2888, 0.3225



Deuteranomaly

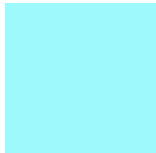
79.9984, 0.2867, 0.3080



Tritanomaly

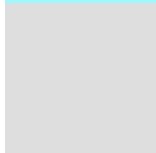
81.9256, 0.2683, 0.3191

Monochromacy



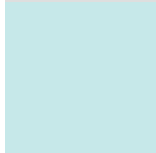
Original Color

81.8845, 0.2600, 0.3266



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.6022, 0.2899, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8845, 0.2600, 0.3266 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(157, 249, 251)` looks like.

```
.text, #text, p{  
    color:rgb(157, 249, 251)  
}
```

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(157, 249, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 249, 251) }
```

Border

The CSS property to change the border of an element to Yxy 81.8845, 0.2600, 0.3266 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(157, 249, 251) }
```

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

```
.border{ border-color:rgb(157, 249, 251) }
```

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

Here you see how a box with a 4 pixel rgb(157, 249, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 249, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 249, 251);  
box-shadow:4px 4px 4px 4px rgb(157, 249,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8845, 0.2600, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 249, 251) }
```

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

```
.background{ background-color: rgb(157,  
249, 251) }
```

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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