

Converting Colors

$Yxy(82.5794, 0.2665, 0.3297)$

Have a look what the booklet for
Yxy(82.5794, 0.2665, 0.3297)
contains.

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Color

Yxy(82.8535, 0.2667, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	A8F9F8
RGB	168, 249, 248
RGB Percent	66%, 98%, 97%
CMY	0.3413, 0.0235, 0.0275
CMYK	0.33, 0.00, 0.00, 0.02
HSL	179°, 87%, 82%
HSV	179°, 33%, 98%
XYZ	66.9607, 82.8535, 101.2570
YIQ	224.6670, -47.9550, -17.4830

Conversions

Conversions Part 2

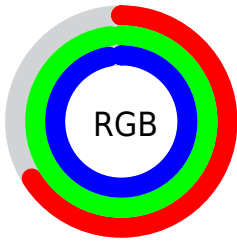
Format	Color
R _Y B	168, 209, 249
Decimal	11074040
CIE Lab	92.95, -24.71, -7.37
CIE LCh	93, 25.788, 196.611
Yxy	82.8535, 0.2667, 0.3300
Android (android.graphics.Color)	4289264120 (0xFFA8F9F8)
YUV	224.6670, 11.5032, -49.6970
Hunter-Lab	91.0239, -27.9803, -2.2388

Details

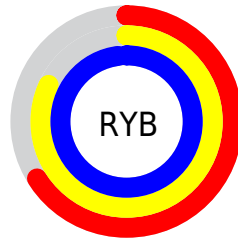
The Yxy color **82.8535, 0.2667, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.0019, 0.3875, 0.3281**, and the grayscale version is **74.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **44.9498, 0.2564, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **80.3614, 0.2553, 0.3304**, and if you desaturate by 10%, it is **85.8755, 0.2796, 0.3297**.

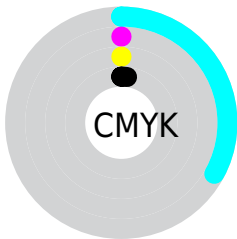
Distribution



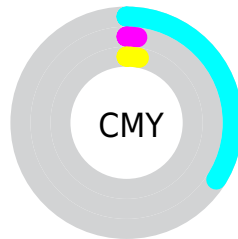
- Red (66%)
- Green (98%)
- Blue (97%)



- Red (66%)
- Yellow (82%)
- Blue (98%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





- Cyan (34%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8535, 0.2667, 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 82.8535, 0.2667, 0.3300 by changing the saturation by 10% instead.


 82.8535, 0.2667,
0.3300

 82.8535, 0.2667,
0.3300


504.4981, 0.2872,
0.3299

 62.0693, 0.2622,
0.3299

 137.3703, 0.2737,
0.3300

 45.0887, 0.2567,
0.3298

171.8716, 0.2764,
0.3300

 31.5273, 0.2499,
0.3296


211.7141, 0.2788,
0.3300

 21.0007, 0.2412,
0.3293

257.2822, 0.2809,
0.3300

 13.1245, 0.2298,
0.3287

308.9603, 0.2828,
0.3300

 7.5143, 0.2142,
0.3274

367.1327, 0.2844,

 3.7858, 0.1915,

0.3299

0.3249

432.1838, 0.2859,
0.3299

■ 1.5545, 0.1559,
0.3190

■ 0.3266, 0.0000,
0.2727

■ 82.8535, 0.2667,
0.3300

■ 82.8535, 0.2667,
0.3300

■ 80.3614, 0.2553,
0.3304

■ 85.8755, 0.2796,
0.3297

■ 78.3594, 0.2457,
0.3307


■ 89.4450, 0.2937,
0.3294

■ 76.8176, 0.2380,
0.3311


■ 93.5910, 0.3088,
0.3291

■ 75.6991, 0.2323,
0.3315


■ 95.8734, 0.3164,
0.3288

 74.9612, 0.2285,
0.3319

 95.8931, 0.3162,
0.3285

 74.5522, 0.2264,
0.3323

 95.9128, 0.3160,
0.3282

 74.4036, 0.2257,
0.3326

 95.9326, 0.3158,
0.3279

 95.9524, 0.3156,
0.3276

 95.9723, 0.3154,
0.3273

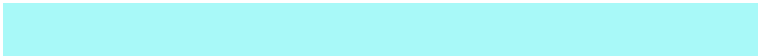
Harmonies

Analogous

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



82.8535, 0.2885, 0.3579



82.8535, 0.2667, 0.3300



82.8535, 0.2570, 0.3035

Triad

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



82.8535, 0.2667, 0.3300



82.8535, 0.3058, 0.2861



82.8535, 0.3662, 0.3710

Complementary

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



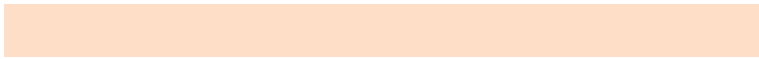
82.8535, 0.2667, 0.3300



51.0019, 0.3875, 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.



82.8535, 0.3718, 0.3501



82.8535, 0.2667, 0.3300



82.8535, 0.3360, 0.3024

Square

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



82.8535, 0.2667, 0.3300



82.8535, 0.2787, 0.2798



82.8535, 0.3606, 0.3253



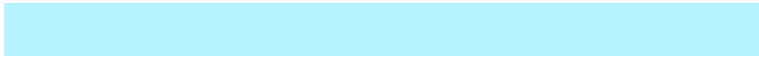
82.8535, 0.3460, 0.3817

Rectangle

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



82.8535, 0.2667, 0.3300



82.8535, 0.2583, 0.2904



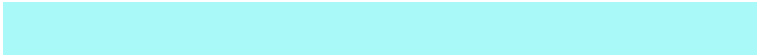
82.8535, 0.3606, 0.3253



82.8535, 0.3699, 0.3648

Sweetspot

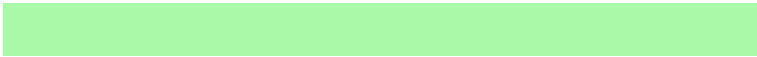
The Sweet Spot groups the original color and five complimentary colors.



82.8568, 0.2667, 0.3300



95.4596, 0.2974, 0.3293



79.0555, 0.3090, 0.4257



20.3064, 0.2954, 0.3293



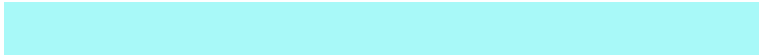
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.8568, 0.2667, 0.3300



85.6823, 0.2591, 0.3302



61.1780, 0.2605, 0.2834



19.6046, 0.2982, 0.3293



39.8247, 0.2257, 0.3326



3.6896, 0.2256, 0.3321

Inverse Universe

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



51.0019, 0.3875, 0.3281



47.3140, 0.4098, 0.3280



67.6625, 0.3750, 0.3705



17.2288, 0.3292, 0.3287



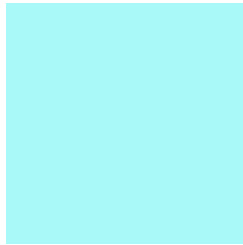
10.7857, 0.6388, 0.3293



1.0002, 0.6355, 0.3275

Previews

White Background



This preview shows how the Yxy color 82.8535, 0.2667, 0.3300 looks on a white background.

Color Contrast Check

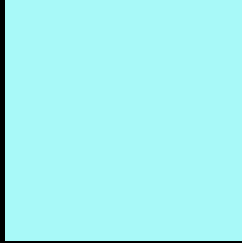
Large Text (above 18pt) WCAG AA × Fail

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 82.8535, 0.2667, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

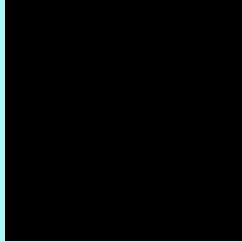
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

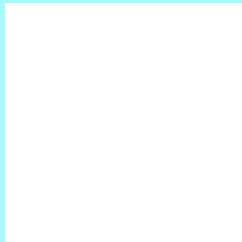
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8535, 0.2667, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 82.8535, 0.2667, 0.3300.

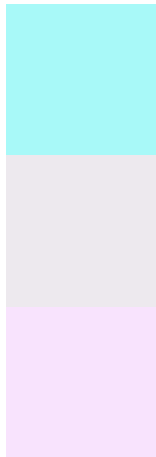


This preview shows how white text looks on a background with the Yxy color 82.8535, 0.2667, 0.3300.

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



Original Color

82.8535, 0.2667, 0.3300

Protanopia

82.4554, 0.3123, 0.3239

Deuteranopia

81.9865, 0.3105, 0.3034



Tritanopia

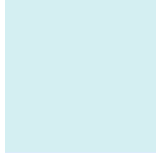
82.5946, 0.2778, 0.3151

Trichromacy



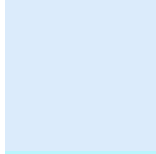
Original Color

82.8535, 0.2667, 0.3300



Protanomaly

82.1409, 0.2937, 0.3258



Deuteranomaly

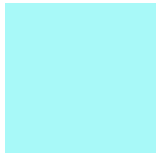
81.4418, 0.2928, 0.3123



Tritanomaly

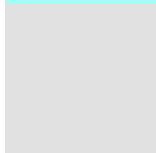
82.7722, 0.2736, 0.3213

Monochromacy



Original Color

82.8535, 0.2667, 0.3300



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.5662, 0.2937, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8535, 0.2667, 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(168, 249, 248)` looks like.

```
.text, #text, p{  
    color:rgb(168, 249, 248)  
}
```

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(168, 249, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 249, 248) }
```

Border

The CSS property to change the border of an element to Yxy 82.8535, 0.2667, 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(168, 249, 248) }
```

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

```
.border{ border-color:rgb(168, 249, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 249, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 249, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 249, 248); box-shadow:4px 4px 4px 4px rgb(168, 249, 248) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8535, 0.2667, 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(168, 249, 248) }
```

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

```
.background{ background-color: rgb(168,  
249, 248) }
```

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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