

Converting Colors

$Yxy(82.3886, 0.2618, 0.3290)$

Have a look what the booklet for
Yxy(82.3886, 0.2618, 0.3290)
contains.

Yxy(82.5817, 0.2620, 0.3300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(82.5817, 0.2620, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	9FFAF9
RGB	159, 250, 249
RGB Percent	62%, 98%, 98%
CMY	0.3769, 0.0195, 0.0236
CMYK	0.36, 0.00, 0.00, 0.02
HSL	179°, 90%, 80%
HSV	179°, 36%, 98%
XYZ	65.5649, 82.5817, 102.1010
YIQ	222.6770, -53.9150, -19.6030

Conversions

Conversions Part 2

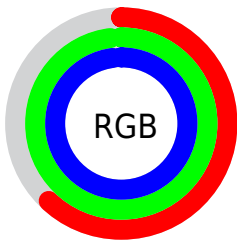
Format	Color
RYB	159, 205, 250
Decimal	10484473
CIELab	92.83, -27.31, -8.12
CIElCh	93, 28.492, 196.555
Yxy	82.5817, 0.2620, 0.3300
Android (android.graphics.Color)	4288674553 (0xFF9FFAF9)
YUV	222.6770, 12.9772, -55.8447
Hunter-Lab	90.8745, -30.2447, -3.0025

Details

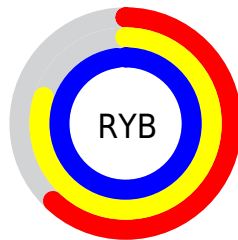
The Yxy color **82.5817, 0.2620, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6220, 0.4007, 0.3282**, and the grayscale version is **73.4705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4917, 0.2900, 0.3289**, and **44.8150, 0.2508, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **80.2668, 0.2513, 0.3303**, and if you desaturate by 10%, it is **85.4200, 0.2743, 0.3297**.

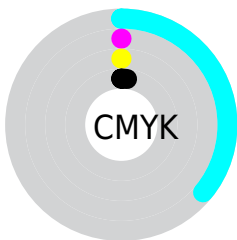
Distribution



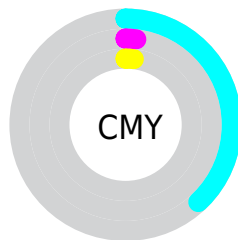
- Red (62%)
- Green (98%)
- Blue (98%)



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



- Cyan (36%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5817, 0.2620, 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 82.5817, 0.2620, 0.3300 by changing the saturation by 10% instead.


 82.5817, 0.2620,
0.3300

 82.5817, 0.2620,
0.3300


503.5914, 0.2846,
0.3300

 61.8451, 0.2570,
0.3299


 136.9894, 0.2697,
0.3301

 44.9076, 0.2510,
0.3298


 171.4294, 0.2727,
0.3301

 31.3846, 0.2436,
0.3295


211.2060, 0.2753,
0.3301

 20.8919, 0.2341,
0.3290


256.7035, 0.2776,
0.3301

 13.0450, 0.2216,
0.3282

308.3064, 0.2797,
0.3300

 7.4596, 0.2046,
0.3266


366.3991, 0.2815,


 3.7511, 0.1801,


0.3300


431.3660, 0.2831,
0.3300


0.3234


 1.5353, 0.1409,
0.3165


 0.3134, 0.0000,
0.2564


 82.5817, 0.2620,
0.3300


 82.5817, 0.2620,
0.3300


 80.2668, 0.2513,
0.3303


 85.4200, 0.2743,
0.3297


 78.4340, 0.2424,
0.3307

 88.8005, 0.2880,
0.3294

 77.0520, 0.2354,
0.3310

 92.7533, 0.3028,
0.3292

 76.0812, 0.2305,
0.3314

 96.5560, 0.3158,
0.3289

■ 75.4755, 0.2274,
0.3317

■ 96.5738, 0.3156,
0.3286

■ 75.1773, 0.2259,
0.3321

■ 96.5915, 0.3155,
0.3284

■ 75.1139, 0.2256,
0.3322

■ 96.6093, 0.3153,
0.3281

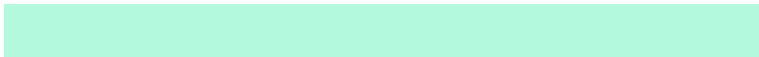
■ 96.6271, 0.3151,
0.3278

■ 96.6450, 0.3150,
0.3276

Harmonies

Analogous

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



82.5817, 0.2859, 0.3611



82.5817, 0.2620, 0.3300



82.5817, 0.2514, 0.3006

Triad

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



82.5817, 0.2620, 0.3300



82.5817, 0.3049, 0.2818



82.5817, 0.3719, 0.3752

Complementary

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



82.5817, 0.2620, 0.3300



47.6220, 0.4007, 0.3282

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.



82.5817, 0.3782, 0.3519



82.5817, 0.2620, 0.3300



82.5817, 0.3383, 0.2996

Square

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



82.5817, 0.2620, 0.3300



82.5817, 0.2751, 0.2749



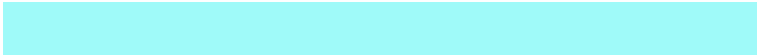
82.5817, 0.3657, 0.3247



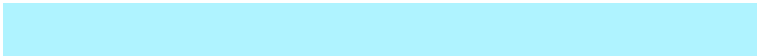
82.5817, 0.3494, 0.3874

Rectangle

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



82.5817, 0.2620, 0.3300



82.5817, 0.2528, 0.2863



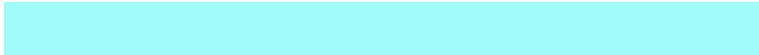
82.5817, 0.3657, 0.3247



82.5817, 0.3760, 0.3683

Sweetspot

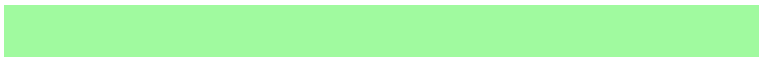
The Sweet Spot groups the original color and five complimentary colors.



82.5850, 0.2620, 0.3300



95.0424, 0.2959, 0.3293



78.4012, 0.3084, 0.4395



20.2233, 0.2939, 0.3293



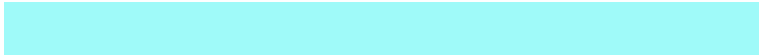
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

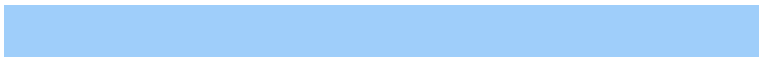
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5850, 0.2620, 0.3300



84.4805, 0.2537, 0.3302



58.3942, 0.2541, 0.2769



19.6050, 0.2982, 0.3292



39.8357, 0.2256, 0.3322



3.6905, 0.2255, 0.3317

Inverse Universe

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



47.6220, 0.4007, 0.3282



42.8606, 0.4291, 0.3280



65.5103, 0.3843, 0.3756



17.2284, 0.3292, 0.3288



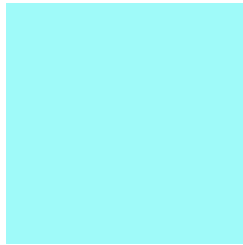
10.7852, 0.6389, 0.3293



1.0000, 0.6360, 0.3277

Previews

White Background



This preview shows how the Yxy color 82.5817, 0.2620, 0.3300 looks on a white background.

Color Contrast Check

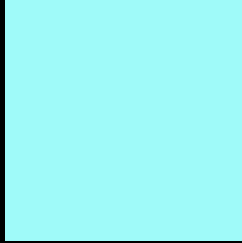
Large Text (above 18pt) WCAG AA × Fail

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 82.5817, 0.2620, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

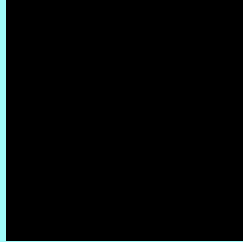
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5817, 0.2620, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 82.5817, 0.2620, 0.3300.

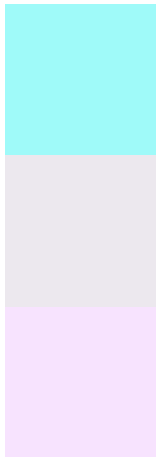


This preview shows how white text looks on a background with the Yxy color 82.5817, 0.2620, 0.3300.

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

82.5817, 0.2620, 0.3300

Protanopia

81.7191, 0.3117, 0.3229

Deuteranopia

81.8681, 0.3092, 0.3024



Tritanopia

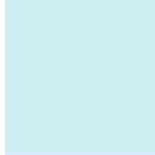
82.1936, 0.2761, 0.3150

Trichromacy



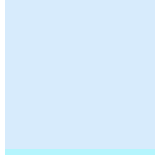
Original Color

82.5817, 0.2620, 0.3300



Protanomaly

81.5537, 0.2912, 0.3257



Deuteranomaly

80.8920, 0.2897, 0.3112



Tritanomaly

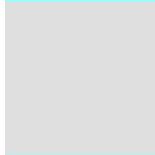
82.2204, 0.2704, 0.3202

Monochromacy



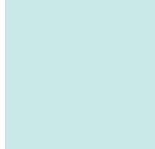
Original Color

82.5817, 0.2620, 0.3300



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.3834, 0.2918, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5817, 0.2620, 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(159, 250, 249)` looks like.

```
.text, #text, p{  
    color:rgb(159, 250, 249)  
}
```

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(159, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 250, 249) }
```

Border

The CSS property to change the border of an element to Yxy 82.5817, 0.2620, 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(159, 250, 249) }
```

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

```
.border{ border-color:rgb(159, 250, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 250, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(159, 250,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5817, 0.2620, 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(159, 250, 249) }
```

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

```
.background{ background-color: rgb(159,  
250, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor