

Converting Colors

$Y_{xy}(82.7060, 0.2652, 0.3291)$

Have a look what the booklet for
Yxy(82.7060, 0.2652, 0.3291)
contains.

Yxy(82.6979, 0.2652, 0.3289)	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(82.6979, 0.2652, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A6F9F9
RGB	166, 249, 249
RGB Percent	65%, 98%, 98%
CMY	0.3494, 0.0234, 0.0236
CMYK	0.33, 0.00, 0.00, 0.02
HSL	180°, 87%, 81%
HSV	180°, 33%, 98%
XYZ	66.6813, 82.6979, 102.0586
YIQ	224.1830, -49.4680, -17.5960

Conversions

Conversions Part 2

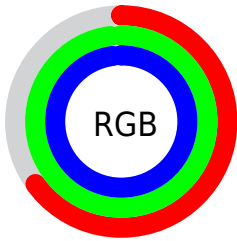
Format	Color
R _Y B	166, 208, 249
Decimal	10942969
CIE Lab	92.88, -25.04, -8.00
CIE LCh	93, 26.285, 197.727
Yxy	82.6979, 0.2652, 0.3289
Android (android.graphics.Color)	4289133049 (0xFFA6F9F9)
YUV	224.1830, 12.2348, -51.0265
Hunter-Lab	90.9384, -28.2556, -2.8833

Details

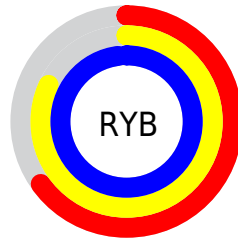
The Yxy color **82.6979, 0.2652, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.1283, 0.3912, 0.3292**, and the grayscale version is **74.6015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **44.8645, 0.2547, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **80.2669, 0.2539, 0.3289**, and if you desaturate by 10%, it is **85.6563, 0.2781, 0.3289**.

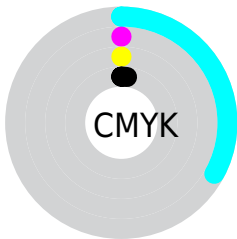
Distribution



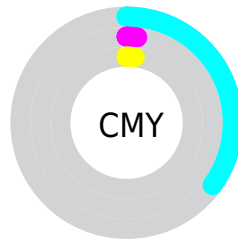
- Red (65%)
- Green (98%)
- Blue (98%)



- Red (65%)
- Yellow (82%)
- Blue (98%)



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



- Cyan (35%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6979, 0.2652, 0.3289 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 82.6979, 0.2652, 0.3289 by changing the saturation by 10% instead.


 82.6979, 0.2652,
0.3289


 82.6979, 0.2652,
0.3289

503.9791, 0.2864,
0.3293

 61.9410, 0.2605,
0.3287


 137.1523, 0.2724,
0.3291

 44.9850, 0.2549,
0.3285

 171.6185, 0.2752,
0.3292

 31.4456, 0.2479,
0.3281


211.4233, 0.2777,
0.3292

 20.9384, 0.2390,
0.3275

256.9510, 0.2799,
0.3293

 13.0790, 0.2272,
0.3265

308.5860, 0.2818,
0.3293

 7.4830, 0.2112,
0.3247

366.7128, 0.2835,

 3.7659, 0.1880,

0.3293

431.7157, 0.2850,
0.3293

0.3213

1.5435, 0.1514,
0.3140

0.3191, 0.0000,
0.2602

82.6979, 0.2652,
0.3289

82.6979, 0.2652,
0.3289

80.2669, 0.2539,
0.3289

85.6563, 0.2781,
0.3289

78.3234, 0.2443,
0.3289

89.1601, 0.2923,
0.3290

76.8373, 0.2367,
0.3289

93.2384, 0.3074,
0.3290

75.7711, 0.2311,
0.3289

95.8687, 0.3165,
0.3290

■ 75.0815, 0.2273,
0.3289

■ 95.8694, 0.3165,
0.3290

■ 74.7160, 0.2253,
0.3289

■ 95.8701, 0.3165,
0.3290

■ 74.6011, 0.2247,
0.3289

■ 95.8708, 0.3165,
0.3290

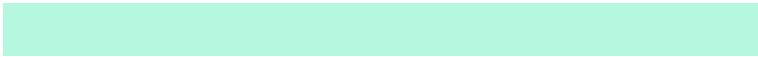
■ 95.8715, 0.3165,
0.3290

■ 95.8723, 0.3165,
0.3290

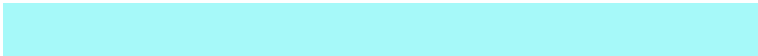
Harmonies

Analogous

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



82.6979, 0.2870, 0.3575



82.6979, 0.2652, 0.3289



82.6979, 0.2559, 0.3021

Triad

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



82.6979, 0.2652, 0.3289



82.6979, 0.3067, 0.2857



82.6979, 0.3668, 0.3724

Complementary

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



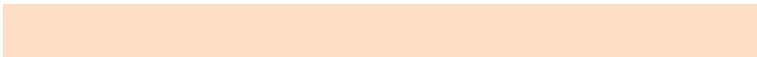
82.6979, 0.2652, 0.3289



50.1283, 0.3912, 0.3292

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.



82.6979, 0.3731, 0.3513



82.6979, 0.2652, 0.3289



82.6979, 0.3375, 0.3026

Square

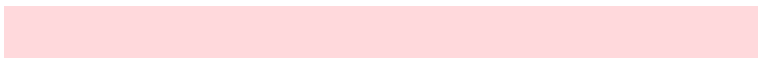
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6979, 0.2652, 0.3289



82.6979, 0.2789, 0.2789



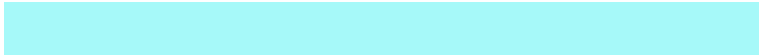
82.6979, 0.3623, 0.3261



82.6979, 0.3457, 0.3829

Rectangle

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



82.6979, 0.2652, 0.3289



82.6979, 0.2575, 0.2890



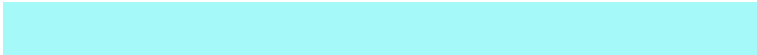
82.6979, 0.3623, 0.3261



82.6979, 0.3708, 0.3663

Sweetspot

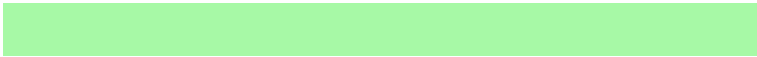
The Sweet Spot groups the original color and five complimentary colors.



82.7012, 0.2652, 0.3289



95.4796, 0.2973, 0.3290



78.7621, 0.3089, 0.4286



20.3113, 0.2952, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

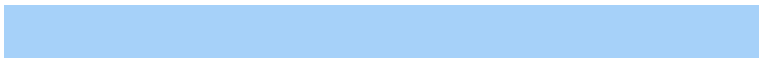
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7012, 0.2652, 0.3289



85.5093, 0.2575, 0.3289



60.4611, 0.2592, 0.2820



19.6085, 0.2981, 0.3290



39.9236, 0.2247, 0.3289



3.6977, 0.2247, 0.3289

Inverse Universe

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



50.1283, 0.3912, 0.3292



46.3439, 0.4148, 0.3293



67.0715, 0.3770, 0.3716



17.2254, 0.3294, 0.3290



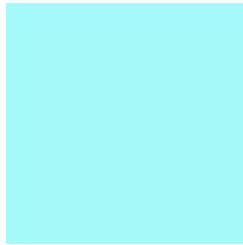
10.7807, 0.6400, 0.3299



0.9985, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 82.6979, 0.2652, 0.3289 looks on a white background.

Color Contrast Check

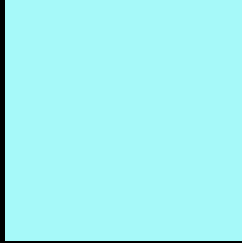
Large Text (above 18pt) WCAG AA × Fail

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 82.6979, 0.2652, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

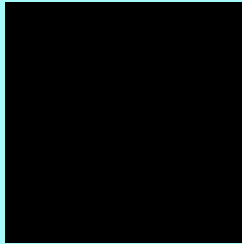
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6979, 0.2652, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 82.6979, 0.2652, 0.3289.

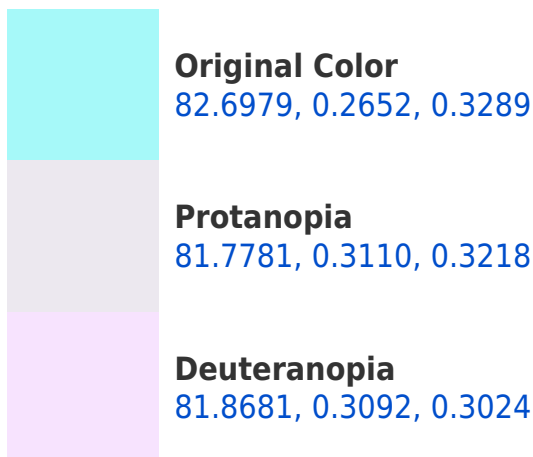


This preview shows how white text looks on a background with the Yxy color 82.6979, 0.2652, 0.3289.

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

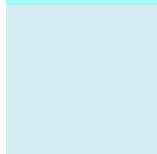
82.4600, 0.2773, 0.3151

Trichromacy



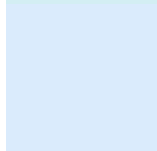
Original Color

82.6979, 0.2652, 0.3289



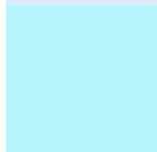
Protanomaly

81.4690, 0.2924, 0.3236



Deuteranomaly

81.3504, 0.2916, 0.3113



Tritanomaly

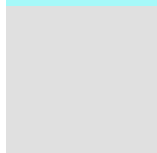
82.7110, 0.2725, 0.3202

Monochromacy



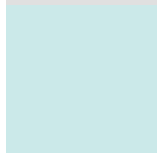
Original Color

82.6979, 0.2652, 0.3289



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.8575, 0.2931, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6979, 0.2652, 0.3289 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(166, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(166, 249, 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(166, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 249, 249) }
```

Border

The CSS property to change the border of an element to Yxy 82.6979, 0.2652, 0.3289 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(166, 249, 249) }
```

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

```
.border{ border-color:rgb(166, 249, 249) }
```

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

Here you see how a box with a 4 pixel rgb(166, 249, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(166, 249,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6979, 0.2652, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 249, 249) }
```

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

```
.background{ background-color: rgb(166,  
249, 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