

Converting Colors

$Yxy(82.0773, 0.2660, 0.3449)$

Have a look what the booklet for
Yxy(82.0773, 0.2660, 0.3449)
contains.

Yxy(82.0773, 0.2660, 0.3449)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.0773, 0.2660, 0.3449)

Conversions

Conversions Part 1

Format	Color
Hex	9BFBED
RGB	155, 251, 237
RGB Percent	61%, 98%, 93%
CMY	0.3920, 0.0157, 0.0707
CMYK	0.38, 0.00, 0.06, 0.02
HSL	171°, 92%, 80%
HSV	171°, 38%, 98%
XYZ	63.3011, 82.0773, 92.5958
YIQ	220.7000, -52.7220, -24.7060

Conversions

Conversions Part 2

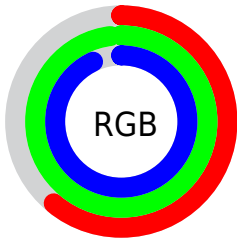
Format	Color
RYB	155, 207, 251
Decimal	10222573
CIELab	92.61, -31.50, -2.23
CIELCh	93, 31.577, 184.045
Yxy	82.0773, 0.2660, 0.3449
Android (android.graphics.Color)	4288412653 (0xFF9BFBED)
YUV	220.7000, 8.0359, -57.6189
Hunter-Lab	90.5965, -33.8233, 2.8192

Details

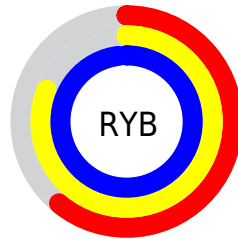
The Yxy color **82.0773, 0.2660, 0.3449** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8332, 0.3937, 0.3142**, and the grayscale version is **72.0614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **44.5164, 0.2557, 0.3484** is the 20% darker color. If you saturate the color by 10%, you get **79.6367, 0.2567, 0.3498**, and if you desaturate by 10%, it is **85.0450, 0.2768, 0.3403**.

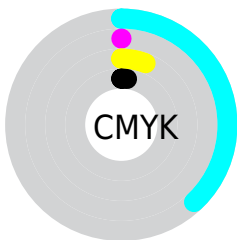
Distribution



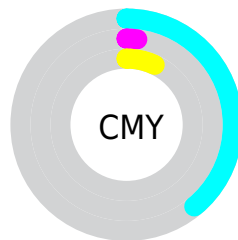
- Red (61%)
- Green (98%)
- Blue (93%)



- Red (61%)
- Yellow (81%)
- Blue (98%)



- Cyan (38%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)



- Cyan (39%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.0773, 0.2660, 0.3449 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 82.0773, 0.2660, 0.3449 by changing the saturation by 10% instead.


 82.0773, 0.2660,
0.3449


 82.0773, 0.2660,
0.3449


501.9062, 0.2870,
0.3379

 61.4293, 0.2614,
0.3464

 136.2824, 0.2732,
0.3425

 44.5717, 0.2557,
0.3483

 170.6082, 0.2760,
0.3416

 31.1202, 0.2486,
0.3505


210.2621, 0.2784,
0.3408

 20.6904, 0.2396,
0.3534

255.6285, 0.2806,
0.3401

 12.8979, 0.2277,
0.3572

307.0917, 0.2825,
0.3394

 7.3583, 0.2112,
0.3622

365.0361, 0.2841,

 3.6871, 0.1870,

0.3389

0.3692

429.8461, 0.2856,
0.3383

■ 1.5001, 0.1422,
0.3824

■ 0.2888, 0.0000,
0.3805

■ 82.0773, 0.2660,
0.3449

■ 82.0773, 0.2660,
0.3449

■ 79.6367, 0.2567,
0.3498

■ 85.0450, 0.2768,
0.3403

■ 77.6811, 0.2491,
0.3548

■ 88.5595, 0.2888,
0.3360

■ 76.1779, 0.2434,
0.3600

■ 92.6513, 0.3016,
0.3320

■ 75.0864, 0.2397,
0.3653

■ 97.2622, 0.3149,
0.3284

■ 74.3584, 0.2379,
0.3705

■ 97.4760, 0.3129,
0.3252

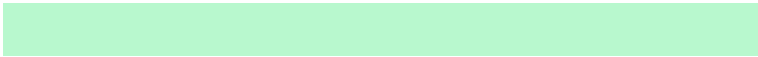
■ 73.9270, 0.2379,
0.3757

■ 73.8651, 0.2380,
0.3766

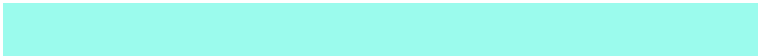
Harmonies

Analogous

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



82.0773, 0.2970, 0.3769



82.0773, 0.2660, 0.3449



82.0773, 0.2479, 0.3099

Triad

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



82.0773, 0.2660, 0.3449



82.0773, 0.2891, 0.2722



82.0773, 0.3838, 0.3701

Complementary

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



82.0773, 0.2660, 0.3449



46.8332, 0.3937, 0.3142

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.



82.0773, 0.3822, 0.3416



82.0773, 0.2660, 0.3449



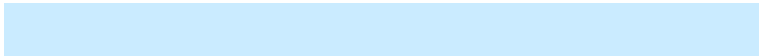
82.0773, 0.3257, 0.2872

Square

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



82.0773, 0.2660, 0.3449



82.0773, 0.2606, 0.2703



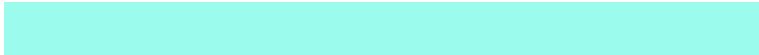
82.0773, 0.3604, 0.3119



82.0773, 0.3655, 0.3901

Rectangle

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



82.0773, 0.2660, 0.3449



82.0773, 0.2447, 0.2907



82.0773, 0.3604, 0.3119



82.0773, 0.3857, 0.3611

Sweetspot

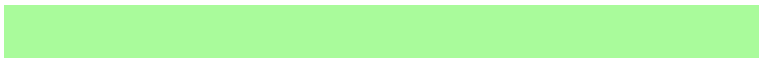
The Sweet Spot groups the original color and five complimentary colors.



82.0806, 0.2660, 0.3449



94.8012, 0.2980, 0.3331



79.8469, 0.3157, 0.4432



20.1654, 0.2962, 0.3336



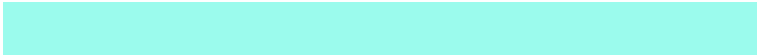
0.0000, 0.0000, 0.0000



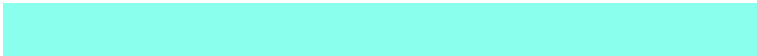
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0806, 0.2660, 0.3449



83.0612, 0.2586, 0.3487



63.7778, 0.2536, 0.2895



19.5624, 0.3000, 0.3325



38.8426, 0.2377, 0.3757



3.6090, 0.2360, 0.3695

Inverse Universe

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



46.8332, 0.3937, 0.3142



41.7130, 0.4195, 0.3114



59.1123, 0.3939, 0.3649



17.2666, 0.3271, 0.3256



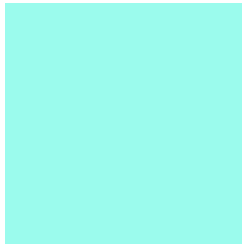
10.8625, 0.6204, 0.3191



1.0181, 0.5923, 0.3036

Previews

White Background



This preview shows how the Yxy color 82.0773, 0.2660, 0.3449 looks on a white background.

Color Contrast Check

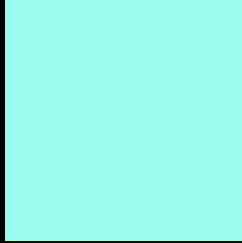
Large Text (above 18pt) WCAG AA × Fail

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 82.0773, 0.2660, 0.3449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

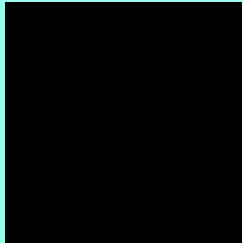
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.0773, 0.2660, 0.3449

Background



This preview shows how black text looks on a background with the Yxy color 82.0773, 0.2660, 0.3449.

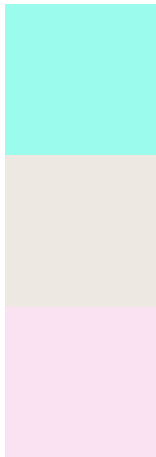


This preview shows how white text looks on a background with the Yxy color 82.0773, 0.2660, 0.3449.

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

82.0773, 0.2660, 0.3449

Protanopia

81.3814, 0.3206, 0.3352

Deuteranopia

81.3127, 0.3197, 0.3132



Tritanopia

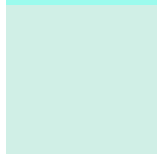
81.8006, 0.2745, 0.3149

Trichromacy



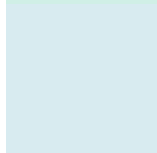
Original Color

82.0773, 0.2660, 0.3449



Protanomaly

80.8561, 0.2981, 0.3387



Deuteranomaly

80.3069, 0.2973, 0.3237



Tritanomaly

81.5471, 0.2713, 0.3256

Monochromacy



Original Color

82.0773, 0.2660, 0.3449



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.1296, 0.2927, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0773, 0.2660, 0.3449 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(155, 251, 237)` looks like.

```
.text, #text, p{  
    color:rgb(155, 251, 237)  
}
```

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(155, 251, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 251, 237) }
```

Border

The CSS property to change the border of an element to Yxy 82.0773, 0.2660, 0.3449 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(155, 251, 237) }
```

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

```
.border{ border-color:rgb(155, 251, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 251, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 251, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 251, 237);  
box-shadow:4px 4px 4px 4px rgb(155, 251,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0773, 0.2660, 0.3449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 251, 237) }
```

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

```
.background{ background-color: rgb(155,  
251, 237) }
```

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