

Converting Colors

$Y_{xy}(100.0000, 0.2725, 0.3976)$

Have a look what the booklet for
Yxy(100.0000, 0.2725, 0.3976)
contains.

Yxy(82.3853, 0.2691, 0.3713)	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(82.3853, 0.2691, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	8EFFDB
RGB	142, 255, 219
RGB Percent	56%, 100%, 86%
CMY	0.4430, 0.0000, 0.1411
CMYK	0.44, 0.00, 0.14, 0.00
HSL	161°, 100%, 78%
HSV	161°, 44%, 100%
XYZ	59.7088, 82.3853, 79.7893
YIQ	217.1090, -55.7920, -35.1520

Conversions

Conversions Part 2

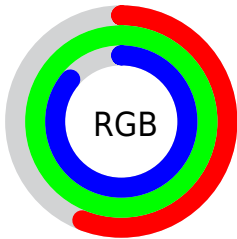
Format	Color
RYB	142, 209, 255
Decimal	9371611
CIELab	92.74, -40.50, 7.18
CIELCh	93, 41.135, 169.950
Yxy	82.3853, 0.2691, 0.3713
Android (android.graphics.Color)	4287561691 (0xFF8EFFDB)
YUV	217.1090, 0.9323, -65.8706
Hunter-Lab	90.7663, -41.4185, 11.4168

Details

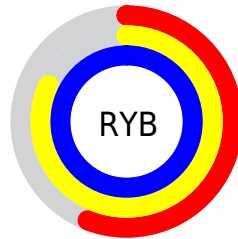
The Yxy color **82.3853, 0.2691, 0.3713** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.8325, 0.3923, 0.2917**, and the grayscale version is **69.4979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **44.9075, 0.2591, 0.3820** is the 20% darker color. If you saturate the color by 10%, you get **79.9670, 0.2623, 0.3829**, and if you desaturate by 10%, it is **85.3470, 0.2774, 0.3604**.

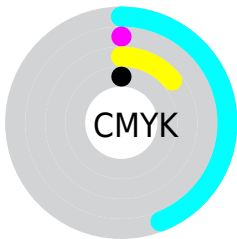
Distribution



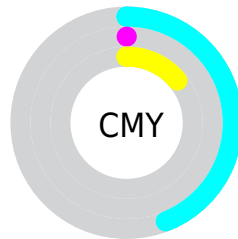
- Red (56%)
- Green (100%)
- Blue (86%)



- Red (56%)
- Yellow (82%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3853, 0.2691, 0.3713 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 82.3853, 0.2691, 0.3713 by changing the saturation by 10% instead.

 82.3853, 0.2691,
0.3713


 82.3853, 0.2691,
0.3713


502.9356, 0.2890,
0.3516

 61.6832, 0.2646,
0.3758


 136.7142, 0.2760,
0.3645

 44.7768, 0.2591,
0.3814

 171.1098, 0.2786,
0.3618

 31.2816, 0.2522,
0.3885

210.8386, 0.2810,
0.3595

 20.8134, 0.2432,
0.3977

256.2851, 0.2830,
0.3575

 12.9877, 0.2312,
0.4104

307.8336, 0.2848,
0.3558

 7.4201, 0.2143,
0.4286

365.8686, 0.2863,

 3.7262, 0.1889,

0.3543

430.7745, 0.2878,
0.3529

0.4572

1.5216, 0.1211,
0.5229

0.3038, 0.0000,
1.0000

82.3853, 0.2691,
0.3713

82.3853, 0.2691,
0.3713

79.9670, 0.2623,
0.3829

85.3470, 0.2774,
0.3604

78.0462, 0.2572,
0.3949

88.8747, 0.2868,
0.3502

76.5857, 0.2541,
0.4072

93.0017, 0.2971,
0.3409

75.5387, 0.2530,
0.4196

97.7557, 0.3080,
0.3324

■ 74.8475, 0.2540,
0.4318

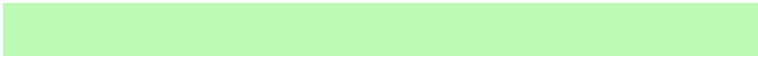
99.9984, 0.3127,
0.3290

■ 74.5663, 0.2552,
0.4387

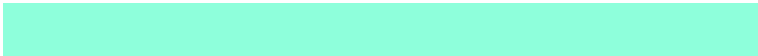
Harmonies

Analogous

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



82.3853, 0.3135, 0.4063



82.3853, 0.2691, 0.3713



82.3853, 0.2379, 0.3240

Triad

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



82.3853, 0.2691, 0.3713



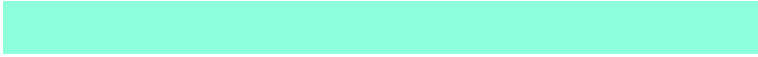
82.3853, 0.2629, 0.2532



82.3853, 0.4078, 0.3639

Complementary

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



82.3853, 0.2691, 0.3713



43.8325, 0.3923, 0.2917

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.



82.3853, 0.3930, 0.3260



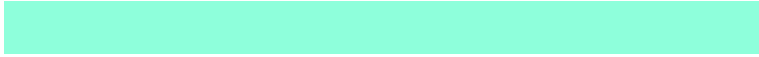
82.3853, 0.2691, 0.3713



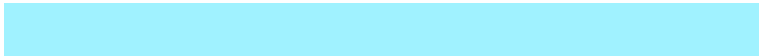
82.3853, 0.3061, 0.2650

Square

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



82.3853, 0.2691, 0.3713



82.3853, 0.2348, 0.2587



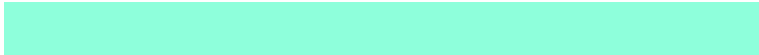
82.3853, 0.3545, 0.2909



82.3853, 0.3949, 0.3969

Rectangle

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



82.3853, 0.2691, 0.3713



82.3853, 0.2276, 0.2951



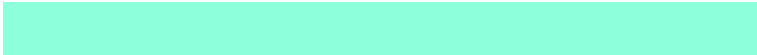
82.3853, 0.3545, 0.2909



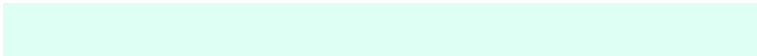
82.3853, 0.4060, 0.3514

Sweetspot

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



82.3886, 0.2691, 0.3713



93.5845, 0.2985, 0.3397



83.1391, 0.3280, 0.4592



19.8208, 0.2962, 0.3417



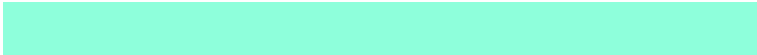
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.3886, 0.2691, 0.3713



80.2538, 0.2631, 0.3813



73.0639, 0.2491, 0.3071



20.3772, 0.3023, 0.3367



38.9917, 0.2546, 0.4366



3.8164, 0.2508, 0.4228

Inverse Universe

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



43.8325, 0.3923, 0.2917



37.2973, 0.4171, 0.2852



48.6570, 0.4221, 0.3490



18.0824, 0.3244, 0.3215



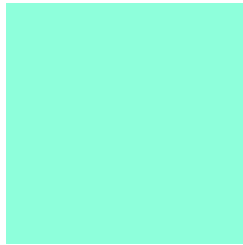
11.4447, 0.5702, 0.2915



1.1332, 0.5383, 0.2739

Previews

White Background



This preview shows how the Yxy color 82.3853, 0.2691, 0.3713 looks on a white background.

Color Contrast Check

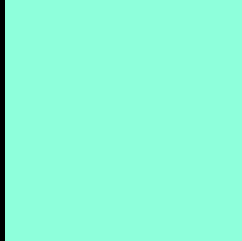
Large Text (above 18pt) WCAG AA × Fail

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 82.3853, 0.2691, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

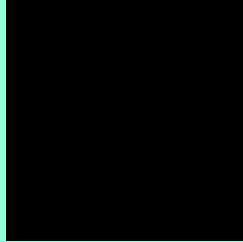
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.3853, 0.2691, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 82.3853, 0.2691, 0.3713.

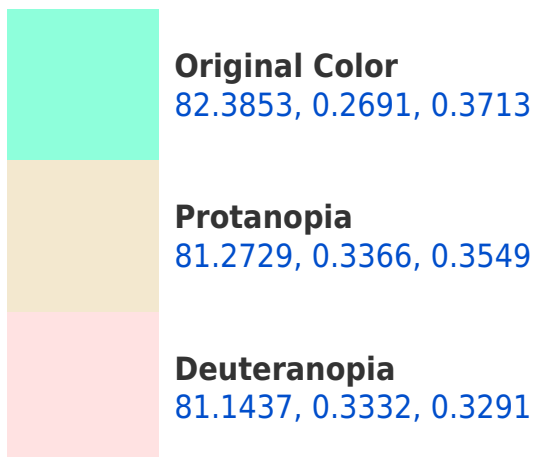


This preview shows how white text looks on a background with the Yxy color 82.3853, 0.2691, 0.3713.

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

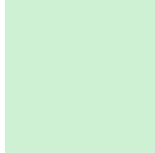
81.6714, 0.2739, 0.3149

Trichromacy



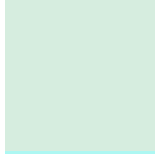
Original Color

82.3853, 0.2691, 0.3713



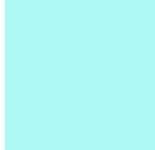
Protanomaly

80.1451, 0.3080, 0.3610



Deuteranomaly

80.1922, 0.3061, 0.3441



Tritanomaly

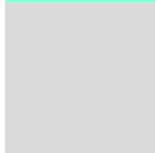
81.8166, 0.2719, 0.3345

Monochromacy



Original Color

82.3853, 0.2691, 0.3713



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1609, 0.2936, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3853, 0.2691, 0.3713 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(142, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 219)  
}
```

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(142, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 82.3853, 0.2691, 0.3713 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(142, 255, 219) }
```

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

```
.border{ border-color:rgb(142, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3853, 0.2691, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 219) }
```

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

```
.background{ background-color: rgb(142,  
255, 219) }
```

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