

Converting Colors

$Y_{xy}(82.2638, 0.2656, 0.3484)$

Have a look what the booklet for
Yxy(82.2638, 0.2656, 0.3484)
contains.

Yxy(82.2944, 0.2657, 0.3484)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.2944, 0.2657, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	98FCEB
RGB	152, 252, 235
RGB Percent	60%, 99%, 92%
CMY	0.4037, 0.0118, 0.0785
CMYK	0.40, 0.00, 0.07, 0.01
HSL	170°, 94%, 79%
HSV	170°, 40%, 99%
XYZ	62.7601, 82.2944, 91.1521
YIQ	220.1620, -54.1430, -26.4870

Conversions

Conversions Part 2

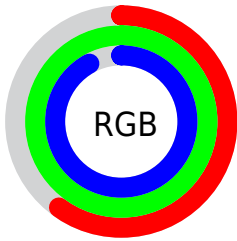
Format	Color
RYB	152, 207, 252
Decimal	10026219
CIELab	92.70, -33.16, -1.07
CIELCh	93, 33.175, 181.853
Yxy	82.2944, 0.2657, 0.3484
Android (android.graphics.Color)	4288216299 (0xFF98FCEB)
YUV	220.1620, 7.3151, -59.7781
Hunter-Lab	90.7163, -35.2620, 3.9265

Details

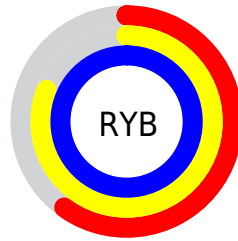
The Yxy color **82.2944, 0.2657, 0.3484** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0410, 0.3957, 0.3111**, and the grayscale version is **71.6762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **44.7178, 0.2556, 0.3530** is the 20% darker color. If you saturate the color by 10%, you get **79.8725, 0.2568, 0.3542**, and if you desaturate by 10%, it is **85.2454, 0.2761, 0.3429**.

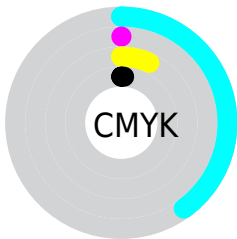
Distribution



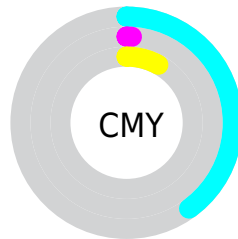
- Red (60%)
- Green (99%)
- Blue (92%)



- Red (60%)
- Yellow (81%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (1%)





- Cyan (40%)
- Magenta (1%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2944, 0.2657, 0.3484 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 82.2944, 0.2657, 0.3484 by changing the saturation by 10% instead.


 82.2944, 0.2657,
0.3484


 82.2944, 0.2657,
0.3484


502.6319, 0.2868,
0.3397

 61.6082, 0.2610,
0.3503


 136.5868, 0.2729,
0.3455

 44.7162, 0.2553,
0.3526


 170.9618, 0.2758,
0.3443

 31.2340, 0.2482,
0.3555

210.6685, 0.2782,
0.3433

 20.7771, 0.2391,
0.3592

256.0913, 0.2804,
0.3424

 12.9611, 0.2270,
0.3640

307.6147, 0.2823,
0.3416

 7.4018, 0.2103,
0.3706


365.6230, 0.2840,


 3.7146, 0.1858,


0.3409


430.5006, 0.2855,
0.3403


0.3801


 1.5152, 0.1387,
0.3985


 0.2994, 0.0000,
0.4275


 82.2944, 0.2657,
0.3484


 82.2944, 0.2657,
0.3484


 79.8725, 0.2568,
0.3542


 85.2454, 0.2761,
0.3429


 77.9369, 0.2497,
0.3602

 88.7458, 0.2876,
0.3378

 76.4539, 0.2445,
0.3663

 92.8268, 0.3001,
0.3331

 75.3816, 0.2412,
0.3725

 97.5142, 0.3132,
0.3289

■ 74.6697, 0.2399,
0.3787

■ 98.0993, 0.3128,
0.3261

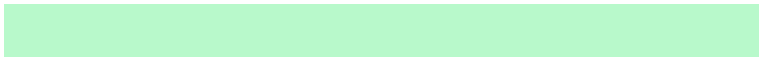
■ 74.2390, 0.2403,
0.3848

■ 74.2260, 0.2403,
0.3850

Harmonies

Analogous

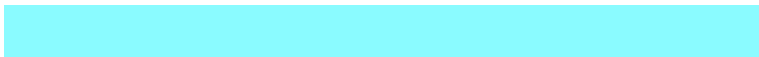
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2944, 0.2988, 0.3815



82.2944, 0.2657, 0.3484



82.2944, 0.2456, 0.3113

Triad

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



82.2944, 0.2657, 0.3484



82.2944, 0.2853, 0.2689



82.2944, 0.3880, 0.3699

Complementary

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



82.2944, 0.2657, 0.3484



46.0410, 0.3957, 0.3111

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.



82.2944, 0.3847, 0.3397



82.2944, 0.2657, 0.3484



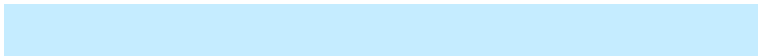
82.2944, 0.3234, 0.2837

Square

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



82.2944, 0.2657, 0.3484



82.2944, 0.2564, 0.2680



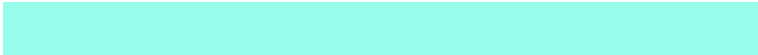
82.2944, 0.3605, 0.3089



82.2944, 0.3700, 0.3920

Rectangle

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



82.2944, 0.2657, 0.3484



82.2944, 0.2415, 0.2906



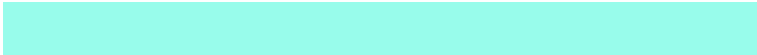
82.2944, 0.3605, 0.3089



82.2944, 0.3894, 0.3603

Sweetspot

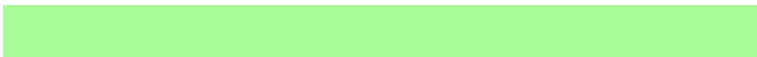
The Sweet Spot groups the original color and five complimentary colors.



82.2977, 0.2657, 0.3484



94.3201, 0.2971, 0.3342



80.4777, 0.3177, 0.4474



20.0677, 0.2954, 0.3348



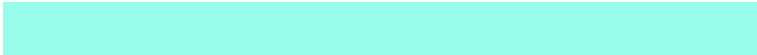
0.0000, 0.0000, 0.0000



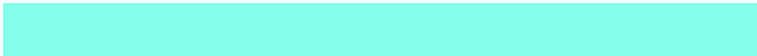
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2977, 0.2657, 0.3484



82.4231, 0.2582, 0.3532



65.0816, 0.2521, 0.2919



19.5548, 0.3003, 0.3331



38.6853, 0.2400, 0.3839



3.5959, 0.2380, 0.3766

Inverse Universe

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



46.0410, 0.3957, 0.3111



40.2406, 0.4233, 0.3077



57.1253, 0.3994, 0.3628



17.2735, 0.3267, 0.3250



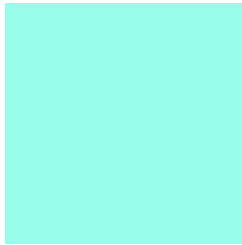
10.8856, 0.6151, 0.3162



1.0213, 0.5853, 0.2998

Previews

White Background



This preview shows how the Yxy color 82.2944, 0.2657, 0.3484 looks on a white background.

Color Contrast Check

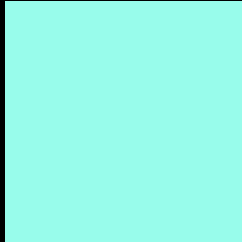
Large Text (above 18pt) WCAG AA × Fail

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 82.2944, 0.2657, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

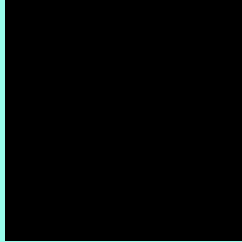
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

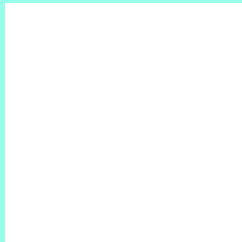
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2944, 0.2657, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 82.2944, 0.2657, 0.3484.

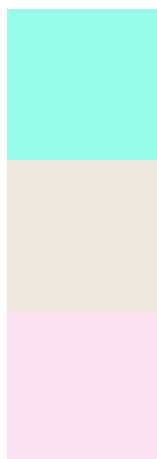


This preview shows how white text looks on a background with the Yxy color 82.2944, 0.2657, 0.3484.

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

82.2944, 0.2657, 0.3484

Protanopia

81.4458, 0.3226, 0.3373

Deuteranopia

81.4390, 0.3210, 0.3142



Tritanopia

81.8006, 0.2745, 0.3149

Trichromacy



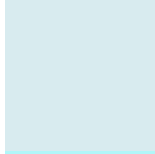
Original Color

82.2944, 0.2657, 0.3484



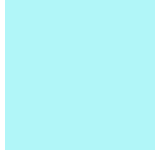
Protanomaly

80.5998, 0.2986, 0.3409



Deuteranomaly

80.2476, 0.2979, 0.3247



Tritanomaly

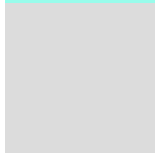
82.0360, 0.2709, 0.3267

Monochromacy



Original Color

82.2944, 0.2657, 0.3484



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.7516, 0.2927, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2944, 0.2657, 0.3484 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(152, 252, 235)` looks like.

```
.text, #text, p{  
    color:rgb(152, 252, 235)  
}
```

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(152, 252, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 252, 235) }
```

Border

The CSS property to change the border of an element to Yxy 82.2944, 0.2657, 0.3484 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(152, 252, 235) }
```

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

```
.border{ border-color:rgb(152, 252, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 252, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 252, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 252, 235);  
box-shadow:4px 4px 4px 4px rgb(152, 252,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2944, 0.2657, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 252, 235) }
```

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

```
.background{ background-color: rgb(152,  
252, 235) }
```

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