

Converting Colors

$Y_{xy}(82.9670, 0.2650, 0.3536)$

Have a look what the booklet for
Yxy(82.9670, 0.2650, 0.3536)
contains.

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Color

Yxy(82.9699, 0.2646, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	93FEE9
RGB	147, 254, 233
RGB Percent	58%, 100%, 91%
CMY	0.4238, 0.0039, 0.0863
CMYK	0.42, 0.00, 0.08, 0.00
HSL	168°, 98%, 79%
HSV	168°, 42%, 100%
XYZ	62.1746, 82.9699, 89.8312
YIQ	219.6130, -57.0310, -29.2150

Conversions

Conversions Part 2

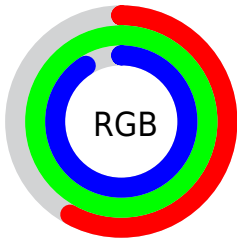
Format	Color
RYB	147, 206, 254
Decimal	9699049
CIELab	93.00, -35.79, 0.35
CIELCh	93, 35.796, 179.434
Yxy	82.9699, 0.2646, 0.3531
Android (android.graphics.Color)	4287889129 (0xFF93FEE9)
YUV	219.6130, 6.5998, -63.6816
Hunter-Lab	91.0878, -37.5635, 5.2894

Details

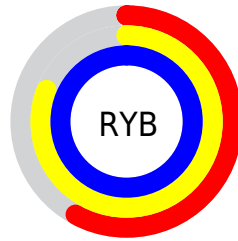
The Yxy color **82.9699, 0.2646, 0.3531** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.7479, 0.4006, 0.3071**, and the grayscale version is **71.2621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **45.2307, 0.2544, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **80.5988, 0.2564, 0.3599**, and if you desaturate by 10%, it is **85.8740, 0.2744, 0.3467**.

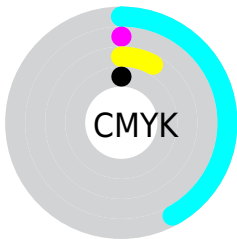
Distribution



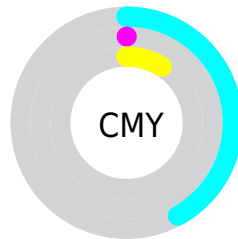
- Red (58%)
- Green (100%)
- Blue (91%)



- Red (58%)
- Yellow (81%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9699, 0.2646, 0.3531 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 82.9699, 0.2646, 0.3531 by changing the saturation by 10% instead.


 82.9699, 0.2646,
0.3531

 82.9699, 0.2646,
0.3531


504.8862, 0.2862,
0.3422

 62.1653, 0.2598,
0.3555

 137.5333, 0.2720,
0.3494

 45.1663, 0.2540,
0.3585


 172.0609, 0.2749,
0.3479

 31.5884, 0.2467,
0.3621


211.9317, 0.2774,
0.3467

 21.0473, 0.2373,
0.3668

257.5299, 0.2796,
0.3456

 13.1586, 0.2249,
0.3731

309.2401, 0.2816,
0.3446

 7.5379, 0.2078,
0.3817

367.4466, 0.2833,

 3.8007, 0.1828,

0.3437

432.5339, 0.2849,
0.3429

0.3944

1.5627, 0.1328,
0.4198

0.3323, 0.0000,
0.4964

82.9699, 0.2646,
0.3531

82.9699, 0.2646,
0.3531

80.5988, 0.2564,
0.3599

85.8740, 0.2744,
0.3467

78.7161, 0.2499,
0.3669

89.3325, 0.2854,
0.3406

77.2865, 0.2454,
0.3741

93.3778, 0.2973,
0.3351

76.2652, 0.2428,
0.3814

98.0367, 0.3099,
0.3300

■ 75.5984, 0.2422,
0.3886

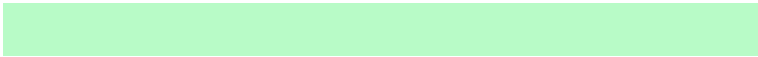
99.3721, 0.3128,
0.3281

■ 75.2601, 0.2428,
0.3941

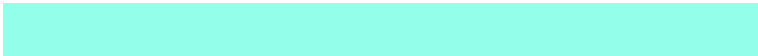
Harmonies

Analogous

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



82.9699, 0.3008, 0.3880



82.9699, 0.2646, 0.3531



82.9699, 0.2419, 0.3127

Triad

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



82.9699, 0.2646, 0.3531



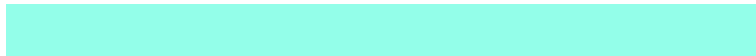
82.9699, 0.2803, 0.2641



82.9699, 0.3943, 0.3702

Complementary

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



82.9699, 0.2646, 0.3531



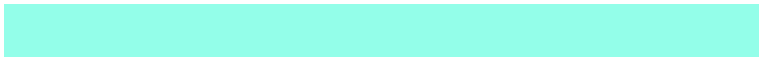
44.7479, 0.4006, 0.3071

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.



82.9699, 0.3889, 0.3375



82.9699, 0.2646, 0.3531



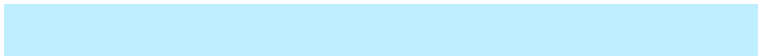
82.9699, 0.3206, 0.2788

Square

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



82.9699, 0.2646, 0.3531



82.9699, 0.2505, 0.2642



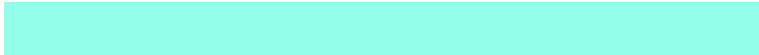
82.9699, 0.3612, 0.3049



82.9699, 0.3765, 0.3952

Rectangle

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



82.9699, 0.2646, 0.3531



82.9699, 0.2366, 0.2899



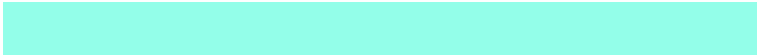
82.9699, 0.3612, 0.3049



82.9699, 0.3953, 0.3597

Sweetspot

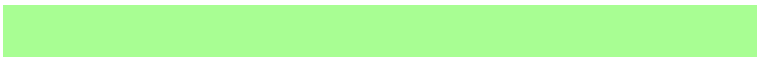
The Sweet Spot groups the original color and five complimentary colors.



82.9732, 0.2646, 0.3531



93.8340, 0.2963, 0.3355



81.3608, 0.3188, 0.4556



19.8828, 0.2936, 0.3367



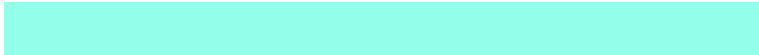
0.0000, 0.0000, 0.0000



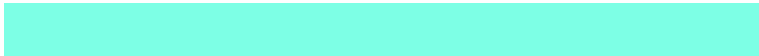
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9732, 0.2646, 0.3531



81.5604, 0.2572, 0.3591



65.5394, 0.2489, 0.2913



20.4168, 0.3006, 0.3337



39.6947, 0.2425, 0.3930



3.8798, 0.2402, 0.3848

Inverse Universe

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



44.7479, 0.4006, 0.3071



38.1316, 0.4301, 0.3031



55.4436, 0.4078, 0.3631



18.0453, 0.3263, 0.3244



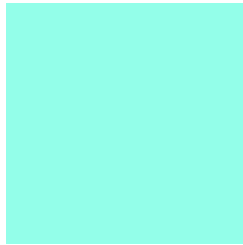
11.2457, 0.6090, 0.3128



1.1094, 0.5794, 0.2965

Previews

White Background



This preview shows how the Yxy color 82.9699, 0.2646, 0.3531 looks on a white background.

Color Contrast Check

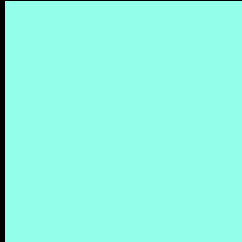
Large Text (above 18pt) WCAG AA × Fail

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 82.9699, 0.2646, 0.3531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

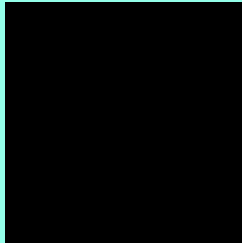
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

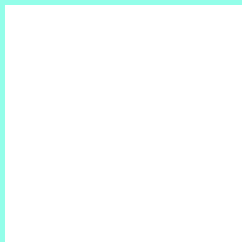
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9699, 0.2646, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 82.9699, 0.2646, 0.3531.

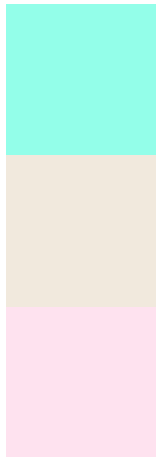


This preview shows how white text looks on a background with the Yxy color 82.9699, 0.2646, 0.3531.

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

82.9699, 0.2646, 0.3531

Protanopia

82.1991, 0.3259, 0.3414

Deuteranopia

81.6955, 0.3238, 0.3162



Tritanopia

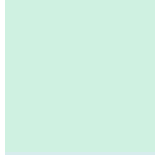
82.6586, 0.2757, 0.3161

Trichromacy



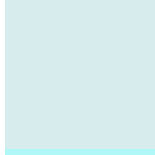
Original Color

82.9699, 0.2646, 0.3531



Protanomaly

81.6122, 0.3004, 0.3463



Deuteranomaly

80.5524, 0.2984, 0.3279



Tritanomaly

82.4670, 0.2710, 0.3289

Monochromacy



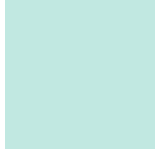
Original Color

82.9699, 0.2646, 0.3531



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.4869, 0.2914, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9699, 0.2646, 0.3531 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(147, 254, 233)` looks like.

```
.text, #text, p{  
    color:rgb(147, 254, 233)  
}
```

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(147, 254, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 254, 233) }
```

Border

The CSS property to change the border of an element to Yxy 82.9699, 0.2646, 0.3531 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(147, 254, 233) }
```

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

```
.border{ border-color:rgb(147, 254, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 254, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 254, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 254, 233);  
box-shadow:4px 4px 4px 4px rgb(147, 254,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9699, 0.2646, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 254, 233) }
```

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

```
.background{ background-color: rgb(147,  
254, 233) }
```

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](#).

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