

# Converting Colors

$Yxy(82.0853, 0.2651, 0.3546)$

Have a look what the booklet for  
Yxy(82.0853, 0.2651, 0.3546)  
contains.

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# Color

**Yxy(82.1311, 0.2650, 0.3544)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92FDE7
RGB	146, 253, 231
RGB Percent	57%, 99%, 91%
CMY	0.4271, 0.0079, 0.0942
CMYK	0.42, 0.00, 0.09, 0.01
HSL	168°, 96%, 78%
HSV	168°, 42%, 99%
XYZ	61.4129, 82.1311, 88.2029
YIQ	218.4990, -56.7100, -29.5260

# Conversions

## Conversions Part 2

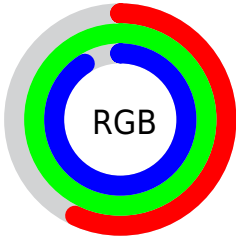
Format	Color
<b>RYB</b>	146, 206, 253
Decimal	9633255
CIELab	92.63, -35.99, 0.86
CIELCh	93, 35.996, 178.634
Yxy	82.1311, 0.2650, 0.3544
Android (android.graphics.Color)	4287823335 (0xFF92FDE7)
YUV	218.4990, 6.1630, -63.5816
Hunter-Lab	90.6262, -37.6352, 5.7338

# Details

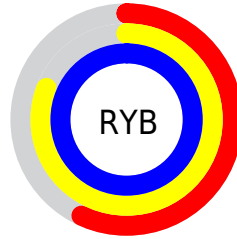
The Yxy color **82.1311, 0.2650, 0.3544** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.2994, 0.3998, 0.3060**, and the grayscale version is **70.4750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **44.6892, 0.2542, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **79.7749, 0.2569, 0.3615**, and if you desaturate by 10%, it is **85.0157, 0.2747, 0.3476**.

# Distribution



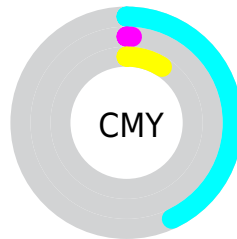
- Red (57%)
- Green (99%)
- Blue (91%)



- Red (57%)
- Yellow (81%)
- Blue (99%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)




- Cyan (43%)
- Magenta (1%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1311, 0.2650, 0.3544 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 82.1311, 0.2650, 0.3544 by changing the saturation by 10% instead.




 82.1311, 0.2650,  
0.3544


 82.1311, 0.2650,  
0.3544


502.0861, 0.2865,  
0.3429

 61.4736, 0.2602,  
0.3570


 136.3578, 0.2724,  
0.3505

 44.6075, 0.2544,  
0.3601


 170.6959, 0.2753,  
0.3489

 31.1484, 0.2471,  
0.3640


210.3629, 0.2778,  
0.3476

 20.7119, 0.2377,  
0.3691

255.7432, 0.2800,  
0.3464

 12.9135, 0.2253,  
0.3758

307.2213, 0.2819,  
0.3454

 7.3690, 0.2081,  
0.3852

365.1816, 0.2836,

 3.6939, 0.1828,

0.3445

0.3992

430.0084, 0.2851,  
0.3436

1.5039, 0.1285,  
0.4287

0.2915, 0.0000,  
0.5311

82.1311, 0.2650,  
0.3544

82.1311, 0.2650,  
0.3544

79.7749, 0.2569,  
0.3615

85.0157, 0.2747,  
0.3476

77.9030, 0.2505,  
0.3690

88.4500, 0.2856,  
0.3413

76.4802, 0.2460,  
0.3765

92.4659, 0.2974,  
0.3355

75.4621, 0.2436,  
0.3842

97.0903, 0.3098,  
0.3301

■ 74.7954, 0.2431,  
0.3918

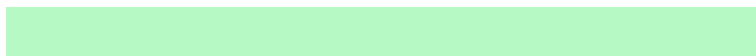
98.7262, 0.3128,  
0.3271

■ 74.4586, 0.2438,  
0.3976

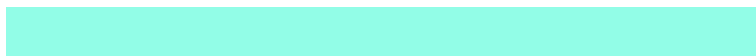
# Harmonies

## Analogous

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



82.1311, 0.3018, 0.3893



82.1311, 0.2650, 0.3544



82.1311, 0.2417, 0.3136

# Triad

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



82.1311, 0.2650, 0.3544



82.1311, 0.2790, 0.2633



82.1311, 0.3952, 0.3697

# Complementary

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



82.1311, 0.2650, 0.3544



44.2994, 0.3998, 0.3060

# 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.



82.1311, 0.3891, 0.3366



82.1311, 0.2650, 0.3544



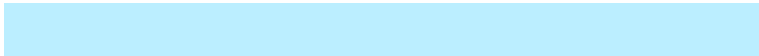
82.1311, 0.3195, 0.2778

# Square

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



82.1311, 0.2650, 0.3544



82.1311, 0.2494, 0.2639



82.1311, 0.3607, 0.3039

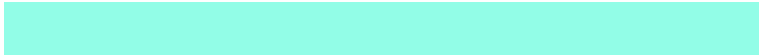


82.1311, 0.3778, 0.3953



# Rectangle

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



82.1311, 0.2650, 0.3544



82.1311, 0.2360, 0.2904



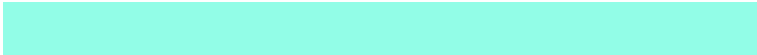
82.1311, 0.3607, 0.3039



82.1311, 0.3960, 0.3590

# Sweetspot

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



82.1344, 0.2650, 0.3544



93.8141, 0.2965, 0.3359



80.7878, 0.3199, 0.4555



19.8778, 0.2938, 0.3371



0.0000, 0.0000, 0.0000

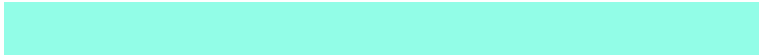


21.4041, 0.3127, 0.3290

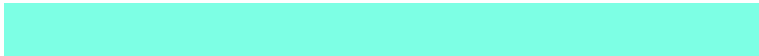


# Same Dimension

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



82.1344, 0.2650, 0.3544



81.4900, 0.2578, 0.3606



65.8290, 0.2491, 0.2933



20.4136, 0.3008, 0.3339



39.6335, 0.2434, 0.3964



3.8744, 0.2410, 0.3877



# Inverse Universe

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



44.2994, 0.3998, 0.3060



38.1727, 0.4286, 0.3018



54.1605, 0.4089, 0.3613



18.0482, 0.3262, 0.3241



11.2578, 0.6064, 0.3114

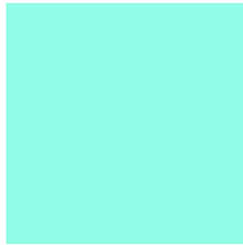


1.1110, 0.5764, 0.2949



# Previews

## White Background



This preview shows how the Yxy color 82.1311, 0.2650, 0.3544 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

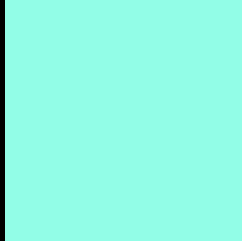
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1311, 0.2650, 0.3544 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

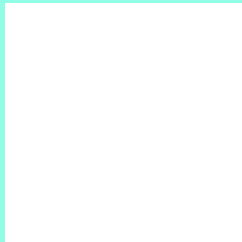
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1311, 0.2650, 0.3544**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1311, 0.2650, 0.3544.

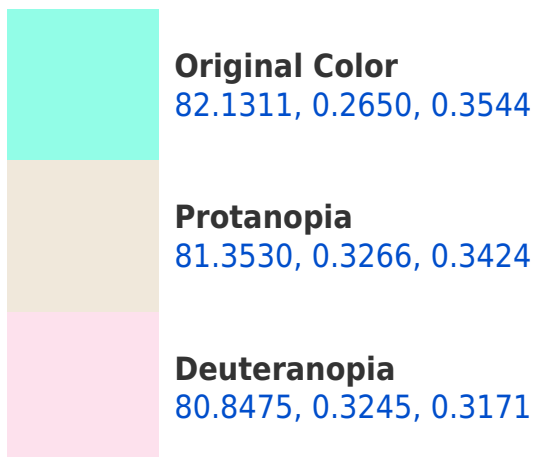


This preview shows how white text looks on a background with the Yxy color 82.1311, 0.2650, 0.3544.

# 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

81.5431, 0.2734, 0.3149

# Trichromacy



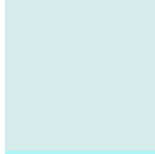
## Original Color

82.1311, 0.2650, 0.3544



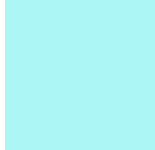
## Protanomaly

80.7697, 0.3009, 0.3475



## Deuteranomaly

79.7110, 0.2989, 0.3290



## Tritanomaly

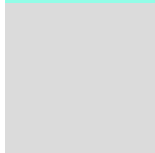
81.4496, 0.2698, 0.3289

# Monochromacy



## Original Color

82.1311, 0.2650, 0.3544



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.6860, 0.2919, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1311, 0.2650, 0.3544 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(146, 253, 231)` looks like.

```
.text, #text, p{  
    color:rgb(146, 253, 231)  
}
```

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(146, 253, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 253, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1311, 0.2650, 0.3544 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(146, 253, 231) }
```

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

```
.border{ border-color:rgb(146, 253, 231) }
```

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

Here you see how a box with a 4 pixel rgb(146, 253, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 253, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 253, 231);  
box-shadow:4px 4px 4px 4px rgb(146, 253,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1311, 0.2650, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 253, 231) }
```

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

```
.background{ background-color: rgb(146,  
253, 231) }
```

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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