

# Converting Colors

$Yxy(82.3556, 0.2627, 0.3208)$

Have a look what the booklet for  
Yxy(82.3556, 0.2627, 0.3208)  
contains.

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# Color

**Yxy(82.5703, 0.2627, 0.3211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7F8FF
RGB	167, 248, 255
RGB Percent	65%, 97%, 100%
CMY	0.3453, 0.0274, 0.0000
CMYK	0.35, 0.03, 0.00, 0.00
HSL	185°, 100%, 83%
HSV	185°, 35%, 100%
XYZ	67.5528, 82.5703, 107.0251
YIQ	224.5790, -50.5230, -14.9950

# Conversions

## Conversions Part 2

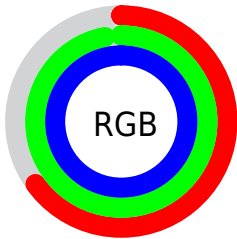
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 209, 255
Decimal	11008255
CIELab	92.83, -22.87, -11.22
CIElCh	93, 25.475, 206.144
Yxy	82.5703, 0.2627, 0.3211
Android (android.graphics.Color)	4289198335 (0xFFA7F8FF)
YUV	224.5790, 14.9976, -50.4968
Hunter-Lab	90.8682, -26.3197, -6.2244

# Details

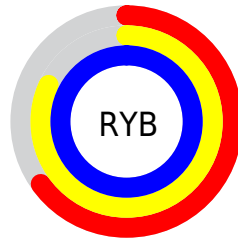
The Yxy color **82.5703, 0.2627, 0.3211** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.3019, 0.3926, 0.3366**, and the grayscale version is **74.8882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **44.7183, 0.2522, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **78.8237, 0.2508, 0.3186**, and if you desaturate by 10%, it is **86.8781, 0.2760, 0.3236**.

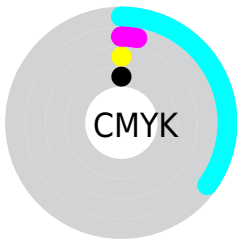
# Distribution



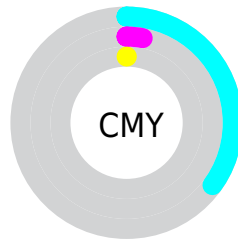
- Red (65%)
- Green (97%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (3%)
- Yellow (0%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5703, 0.2627, 0.3211 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 82.5703, 0.2627, 0.3211 by changing the saturation by 10% instead.



 82.5703, 0.2627,  
0.3211

 82.5703, 0.2627,  
0.3211

 503.5533, 0.2849,  
0.3251

 61.8357, 0.2578,  
0.3201


 136.9735, 0.2702,  
0.3226

 44.9000, 0.2519,  
0.3188


 171.4109, 0.2732,  
0.3231


 31.3787, 0.2446,  
0.3172

 211.1846, 0.2758,  
0.3236

 20.8874, 0.2353,  
0.3149

 256.6792, 0.2781,  
0.3240

 13.0417, 0.2232,  
0.3118

 308.2790, 0.2801,  
0.3243

 7.4573, 0.2066,  
0.3069

 366.3683, 0.2819,

 3.7497, 0.1828,

0.3246

0.2989

431.3316, 0.2835,  
0.3249

■ 1.5345, 0.1464,  
0.2840

■ 0.3129, 0.0000,  
0.2161

■ 82.5703, 0.2627,  
0.3211

■ 82.5703, 0.2627,  
0.3211

■ 78.8237, 0.2508,  
0.3186

■ 86.8781, 0.2760,  
0.3236

■ 75.6056, 0.2406,  
0.3159

■ 91.7764, 0.2904,  
0.3259

■ 72.8802, 0.2322,  
0.3131

■ 97.2930, 0.3057,  
0.3281

■ 70.6074, 0.2258,  
0.3104

100.0000, 0.3127,  
0.3290

■ 68.7401, 0.2213,  
0.3076

■ 67.2208, 0.2186,  
0.3049

■ 66.4918, 0.2176,  
0.3035

# Harmonies

## Analogous

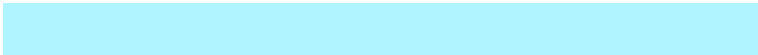
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5703, 0.2808, 0.3492



82.5703, 0.2627, 0.3211



82.5703, 0.2574, 0.2970

# Triad

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



82.5703, 0.2627, 0.3211



82.5703, 0.3154, 0.2907



82.5703, 0.3606, 0.3753

# Complementary

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



82.5703, 0.2627, 0.3211



54.3019, 0.3926, 0.3366

# 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.



82.5703, 0.3712, 0.3572



82.5703, 0.2627, 0.3211



82.5703, 0.3445, 0.3094

# Square

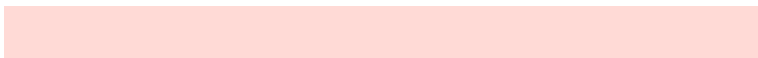
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5703, 0.2627, 0.3211



82.5703, 0.2868, 0.2811



82.5703, 0.3653, 0.3332



82.5703, 0.3372, 0.3815

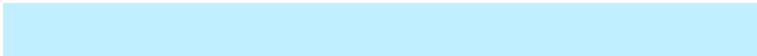


# Rectangle

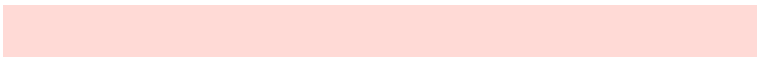
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5703, 0.2627, 0.3211



82.5703, 0.2617, 0.2863



82.5703, 0.3653, 0.3332



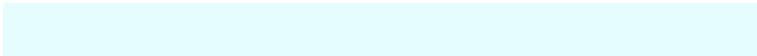
82.5703, 0.3659, 0.3703

# Sweetspot

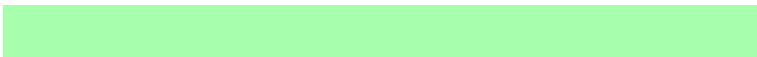
The Sweet Spot groups the original color and five complimentary colors.



82.5704, 0.2627, 0.3212



94.1950, 0.2972, 0.3269



82.7415, 0.3048, 0.4259



19.9979, 0.2951, 0.3266



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.



82.5704, 0.2627, 0.3212



80.0827, 0.2548, 0.3195



59.1464, 0.2561, 0.2712



20.2199, 0.2980, 0.3270



34.8469, 0.2178, 0.3039



3.4631, 0.2186, 0.3070



# Inverse Universe

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



55.6602, 0.3222, 0.2491



49.9132, 0.3243, 0.2348



73.5964, 0.3772, 0.3804



18.2740, 0.3150, 0.3074



14.2458, 0.3420, 0.1658

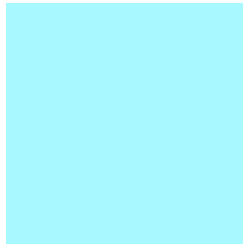


1.3942, 0.3393, 0.1643



# Previews

## White Background



This preview shows how the Yxy color 82.5703, 0.2627, 0.3211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

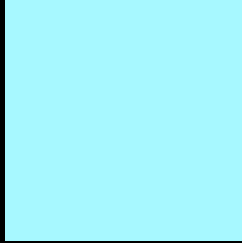
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5703, 0.2627, 0.3211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

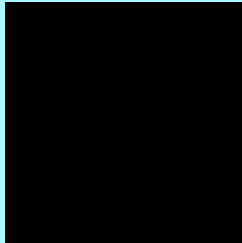
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.5703, 0.2627, 0.3211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5703, 0.2627, 0.3211.

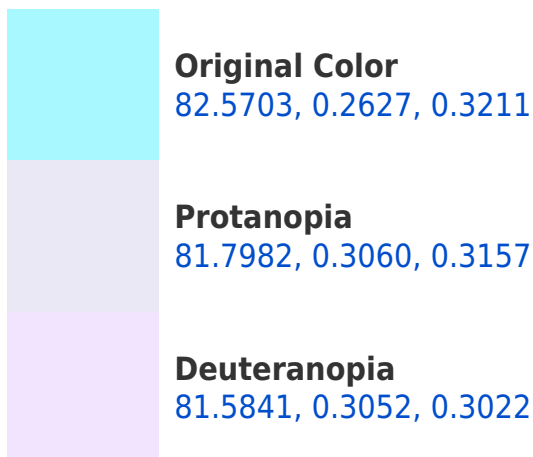


This preview shows how white text looks on a background with the Yxy color 82.5703, 0.2627, 0.3211.

# 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

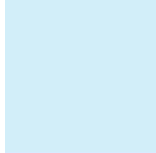
82.3264, 0.2767, 0.3150

# Trichromacy



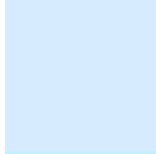
## Original Color

82.5703, 0.2627, 0.3211



## Protanomaly

81.6903, 0.2884, 0.3173



## Deuteranomaly

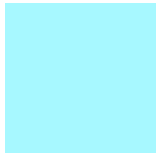
81.0837, 0.2880, 0.3082



## Tritanomaly

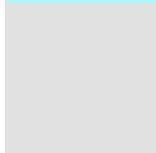
82.2357, 0.2714, 0.3170

# Monochromacy



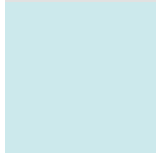
## Original Color

82.5703, 0.2627, 0.3211



## Achromatopsia

75.2942, 0.3127, 0.3290



## Achromatomaly

77.1713, 0.2920, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5703, 0.2627, 0.3211 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(167, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 248, 255)  
}
```

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(167, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 248, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5703, 0.2627, 0.3211 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(167, 248, 255) }
```

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

```
.border{ border-color:rgb(167, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 248,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5703, 0.2627, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 248, 255) }
```

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

```
.background{ background-color: rgb(167,  
248, 255) }
```

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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