

# Converting Colors

Yxy(80.8633, 0.2641, 0.3240)

Have a look what the booklet for  
Yxy(80.8633, 0.2641, 0.3240)  
contains.

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# **Color**

**Yxy(80.9207, 0.2643, 0.3244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6F6FA
RGB	166, 246, 250
RGB Percent	65%, 96%, 98%
CMY	0.3492, 0.0352, 0.0195
CMYK	0.34, 0.02, 0.00, 0.02
HSL	183°, 89%, 82%
HSV	183°, 34%, 98%
XYZ	65.9289, 80.9207, 102.5977
YIQ	222.5360, -48.9640, -15.7160

# Conversions

## Conversions Part 2

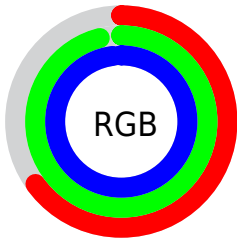
<b>Format</b>	<b>Color</b>
<b>RYB</b>	166, 207, 250
Decimal	10942202
CIELab	92.10, -23.33, -9.70
CIELCh	92, 25.265, 202.582
Yxy	80.9207, 0.2643, 0.3244
Android (android.graphics.Color)	4289132282 (0xFFA6F6FA)
YUV	222.5360, 13.5398, -49.5821
Hunter-Lab	89.9559, -26.5998, -4.6530

# Details

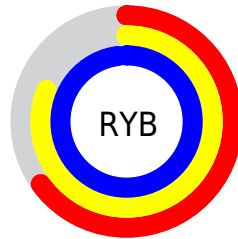
The Yxy color **80.9207, 0.2643, 0.3244** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8054, 0.3906, 0.3335**, and the grayscale version is **73.3677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **44.0369, 0.2537, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **77.7592, 0.2526, 0.3229**, and if you desaturate by 10%, it is **84.6183, 0.2775, 0.3259**.

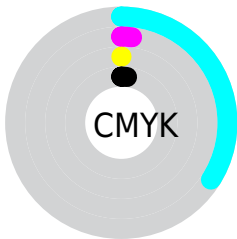
# Distribution



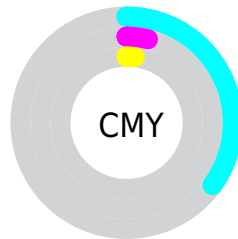
- Red (65%)
- Green (96%)
- Blue (98%)



- Red (65%)
- Yellow (81%)
- Blue (98%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)




- Cyan (35%)
- Magenta (4%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9207, 0.2643, 0.3244 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 80.9207, 0.2643, 0.3244 by changing the saturation by 10% instead.




 80.9207, 0.2643,  
0.3244


 80.9207, 0.2643,  
0.3244


498.0303, 0.2859,  
0.3269

 60.4763, 0.2595,  
0.3237


 134.6594, 0.2717,  
0.3253

 43.8027, 0.2537,  
0.3229


 168.7225, 0.2746,  
0.3257

 30.5154, 0.2466,  
0.3218


208.0940, 0.2771,  
0.3260

 20.2301, 0.2374,  
0.3202

253.1581, 0.2793,  
0.3262

 12.5624, 0.2253,  
0.3179

304.2995, 0.2812,  
0.3264

 7.1279, 0.2088,  
0.3143

361.9023, 0.2830,

 3.5422, 0.1849,

0.3266

0.3080

426.3511, 0.2845,  
0.3268

■ 1.4209, 0.1465,  
0.2961

■ 0.2321, 0.0000,  
0.1995

■ 80.9207, 0.2643,  
0.3244

■ 80.9207, 0.2643,  
0.3244

■ 77.7592, 0.2526,  
0.3229

■ 84.6183, 0.2775,  
0.3259

■ 75.0937, 0.2425,  
0.3213

■ 88.8706, 0.2918,  
0.3273

■ 72.8937, 0.2344,  
0.3196

■ 93.7067, 0.3070,  
0.3286

■ 71.1211, 0.2282,  
0.3180

■ 97.0156, 0.3158,  
0.3297

69.7322, 0.2239,  
0.3164

97.7603, 0.3158,  
0.3309

68.6733, 0.2214,  
0.3148

98.5097, 0.3157,  
0.3320

68.1210, 0.2205,  
0.3138

99.2638, 0.3156,  
0.3331

99.6831, 0.3156,  
0.3338

# Harmonies

## Analogous

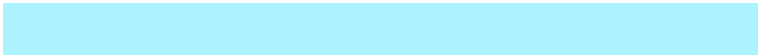
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9207, 0.2837, 0.3524



80.9207, 0.2643, 0.3244



80.9207, 0.2574, 0.2995

# Triad

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



80.9207, 0.2643, 0.3244



80.9207, 0.3118, 0.2891



80.9207, 0.3626, 0.3736

# Complementary

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



80.9207, 0.2643, 0.3244



51.8054, 0.3906, 0.3335

# 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.



80.9207, 0.3713, 0.3545



80.9207, 0.2643, 0.3244



80.9207, 0.3412, 0.3068

# Square

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



80.9207, 0.2643, 0.3244



80.9207, 0.2838, 0.2807



80.9207, 0.3634, 0.3303



80.9207, 0.3404, 0.3815

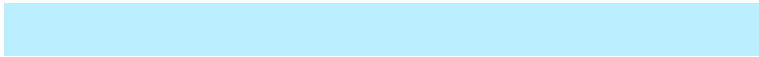


# Rectangle

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



80.9207, 0.2643, 0.3244



80.9207, 0.2605, 0.2879



80.9207, 0.3634, 0.3303



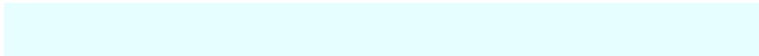
80.9207, 0.3673, 0.3682

# Sweetspot

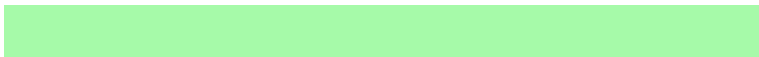
The Sweet Spot groups the original color and five complimentary colors.



80.9239, 0.2643, 0.3244



94.7087, 0.2973, 0.3277



79.3360, 0.3065, 0.4263



20.1232, 0.2951, 0.3276



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.



80.9239, 0.2643, 0.3244



82.4546, 0.2566, 0.3234



58.7504, 0.2581, 0.2765



19.4586, 0.2980, 0.3278



36.1911, 0.2206, 0.3141



3.3943, 0.2211, 0.3160



# Inverse Universe

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



54.2325, 0.3198, 0.2489



50.9538, 0.3213, 0.2342



69.5573, 0.3761, 0.3762



17.5095, 0.3145, 0.3067



14.0644, 0.3332, 0.1609

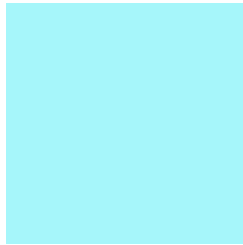


1.3069, 0.3316, 0.1600



# Previews

## White Background



This preview shows how the Yxy color 80.9207, 0.2643, 0.3244 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

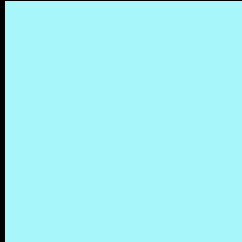
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9207, 0.2643, 0.3244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

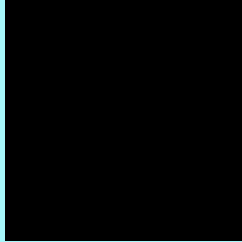
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.9207, 0.2643, 0.3244**

## Background



This preview shows how black text looks on a background with the Yxy color 80.9207, 0.2643, 0.3244.

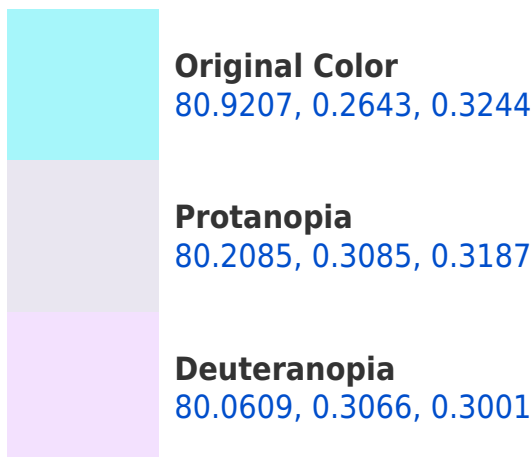


This preview shows how white text looks on a background with the Yxy color 80.9207, 0.2643, 0.3244.

# 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

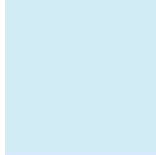
80.3590, 0.2732, 0.3127

# Trichromacy



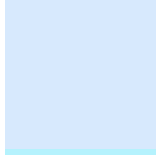
## Original Color

80.9207, 0.2643, 0.3244



## Protanomaly

80.0779, 0.2906, 0.3204



## Deuteranomaly

79.8167, 0.2891, 0.3081



## Tritanomaly

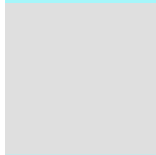
80.4199, 0.2701, 0.3169

# Monochromacy



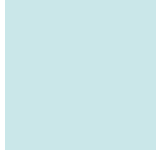
## Original Color

80.9207, 0.2643, 0.3244



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

75.5916, 0.2924, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9207, 0.2643, 0.3244 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(166, 246, 250)` looks like.

```
.text, #text, p{  
    color:rgb(166, 246, 250)  
}
```

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(166, 246, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 246, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9207, 0.2643, 0.3244 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(166, 246, 250) }
```

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

```
.border{ border-color:rgb(166, 246, 250) }
```

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

Here you see how a box with a 4 pixel rgb(166, 246, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 246, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 246, 250);  
box-shadow:4px 4px 4px 4px rgb(166, 246,  
250) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9207, 0.2643, 0.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 246, 250) }
```

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

```
.background{ background-color: rgb(166,  
246, 250) }
```

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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