

# Converting Colors

$Yxy(85.4874, 0.2315, 0.2680)$

Have a look what the booklet for  
Yxy(85.4874, 0.2315, 0.2680)  
contains.

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# Color

**Yxy(81.6110, 0.2531, 0.3232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91FAFF
RGB	145, 250, 255
RGB Percent	57%, 98%, 100%
CMY	0.4314, 0.0196, 0.0000
CMYK	0.43, 0.02, 0.00, 0.00
HSL	183°, 100%, 78%
HSV	183°, 43%, 100%
XYZ	63.9101, 81.6110, 106.9882
YIQ	219.1750, -64.1850, -20.7050

# Conversions

## Conversions Part 2

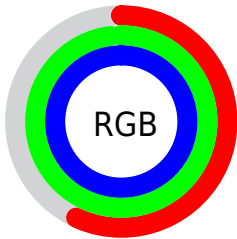
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 199, 255</a>
Decimal	<a href="#">9566975</a>
CIELab	<a href="#">92.40, -29.21, -11.93</a>
CIELCh	<a href="#">92, 31.557, 202.216</a>
Yxy	<a href="#">81.6110, 0.2531, 0.3232</a>
Android (android.graphics.Color)	<a href="#">4287757055</a> ( <a href="#">0xFF91FAFF</a> )
YUV	<a href="#">219.1750, 17.6617, -65.0515</a>
Hunter-Lab	<a href="#">90.3388, -31.8133, -6.9799</a>

# Details

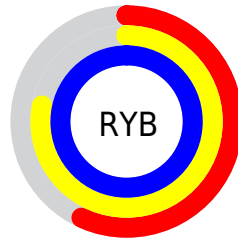
The Yxy color **81.6110, 0.2531, 0.3232** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.1097, 0.4246, 0.3346**, and the grayscale version is **70.8745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5774, 0.2827, 0.3289**, and **44.1484, 0.2403, 0.3214** is the 20% darker color. If you saturate the color by 10%, you get **78.8353, 0.2430, 0.3217**, and if you desaturate by 10%, it is **84.9172, 0.2649, 0.3247**.

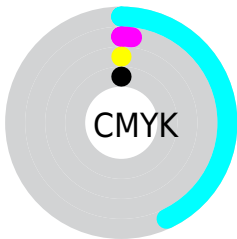
# Distribution



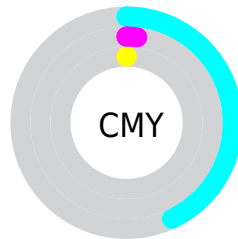
- Red (57%)
- Green (98%)
- Blue (100%)



- Red (57%)
- Yellow (78%)
- Blue (100%)



- Cyan (43%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (43%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6110, 0.2531, 0.3232 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 81.6110, 0.2531, 0.3232 by changing the saturation by 10% instead.




 81.6110, 0.2531,  
0.3232


 81.6110, 0.2531,  
0.3232


500.3456, 0.2796,  
0.3265

 61.0449, 0.2473,  
0.3223


 135.6284, 0.2621,  
0.3244

 44.2614, 0.2403,  
0.3212

 169.8484, 0.2656,  
0.3249

 30.8761, 0.2317,  
0.3197


209.3887, 0.2687,  
0.3253

 20.5045, 0.2207,  
0.3176

254.6334, 0.2714,  
0.3256

 12.7623, 0.2064,  
0.3145

305.9671, 0.2738,  
0.3258

 7.2651, 0.1871,  
0.3096

363.7741, 0.2759,

 3.6284, 0.1599,

0.3261

428.4388, 0.2778,  
0.3263

0.3011

1.4680, 0.1153,  
0.2859

0.2660, 0.0000,  
0.1902

81.6110, 0.2531,  
0.3232

81.6110, 0.2531,  
0.3232

78.8353, 0.2430,  
0.3217

84.9172, 0.2649,  
0.3247

76.5455, 0.2348,  
0.3201

88.7764, 0.2781,  
0.3261

74.7050, 0.2285,  
0.3186

93.2211, 0.2925,  
0.3274

73.2682, 0.2242,  
0.3170

98.2786, 0.3078,  
0.3286

■ 72.1794, 0.2217,  
0.3155

99.9998, 0.3127,  
0.3290

■ 71.5786, 0.2207,  
0.3145

# Harmonies

## Analogous

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



81.6110, 0.2770, 0.3587



81.6110, 0.2531, 0.3232



81.6110, 0.2446, 0.2922

# Triad

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



81.6110, 0.2531, 0.3232



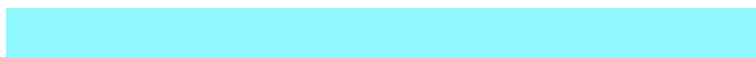
81.6110, 0.3109, 0.2798



81.6110, 0.3749, 0.3838

# Complementary

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



81.6110, 0.2531, 0.3232



45.1097, 0.4246, 0.3346

# 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.



81.6110, 0.3858, 0.3595



81.6110, 0.2531, 0.3232



81.6110, 0.3477, 0.3012

# Square

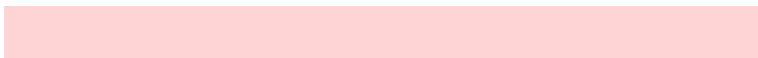
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6110, 0.2531, 0.3232



81.6110, 0.2764, 0.2696



81.6110, 0.3759, 0.3297



81.6110, 0.3472, 0.3947

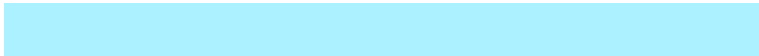


# Rectangle

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



81.6110, 0.2531, 0.3232



81.6110, 0.2483, 0.2781



81.6110, 0.3759, 0.3297



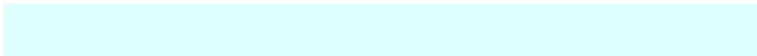
81.6110, 0.3807, 0.3768

# Sweetspot

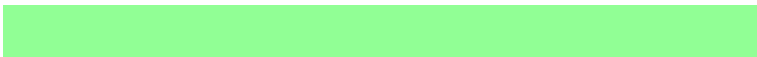
The Sweet Spot groups the original color and five complimentary colors.



81.6142, 0.2531, 0.3232



93.2902, 0.2928, 0.3274



79.6961, 0.3047, 0.4596



19.7465, 0.2895, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

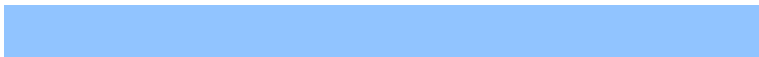
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6142, 0.2531, 0.3232



79.1288, 0.2441, 0.3219



52.8659, 0.2421, 0.2584



20.3318, 0.2980, 0.3279



37.4642, 0.2208, 0.3148



3.6897, 0.2213, 0.3165



# Inverse Universe

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



48.4096, 0.3218, 0.2271



42.1161, 0.3239, 0.2087



66.3279, 0.3987, 0.3897



18.2853, 0.3145, 0.3066



14.5100, 0.3326, 0.1606

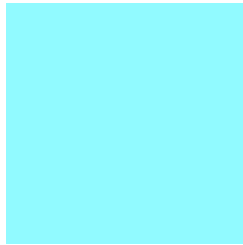


1.4170, 0.3312, 0.1598



# Previews

## White Background



This preview shows how the Yxy color 81.6110, 0.2531, 0.3232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

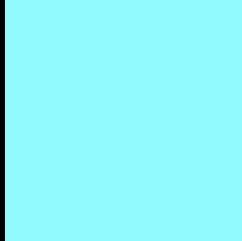
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6110, 0.2531, 0.3232 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 81.6110, 0.2531, 0.3232**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6110, 0.2531, 0.3232.

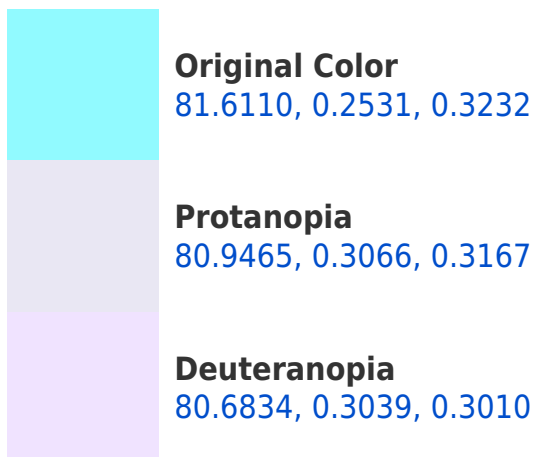


This preview shows how white text looks on a background with the Yxy color 81.6110, 0.2531, 0.3232.

# 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

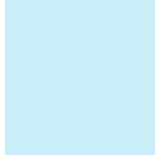
81.1634, 0.2717, 0.3148

# Trichromacy



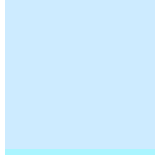
## Original Color

81.6110, 0.2531, 0.3232



## Protanomaly

80.2820, 0.2841, 0.3193



## Deuteranomaly

79.6158, 0.2819, 0.3078



## Tritanomaly

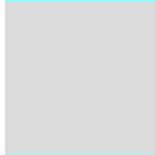
81.1827, 0.2643, 0.3179

# Monochromacy



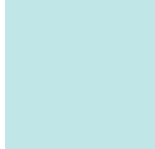
## Original Color

81.6110, 0.2531, 0.3232



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

73.6263, 0.2866, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6110, 0.2531, 0.3232 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(145, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(145, 250, 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(145, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 250, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6110, 0.2531, 0.3232 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(145, 250, 255) }
```

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

```
.border{ border-color:rgb(145, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(145, 250,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6110, 0.2531, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 250, 255) }
```

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

```
.background{ background-color: rgb(145,  
250, 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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