

# Converting Colors

$Yxy(85.1748, 0.2416, 0.2734)$

Have a look what the booklet for  
Yxy(85.1748, 0.2416, 0.2734)  
contains.

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# Color

**Yxy(81.7409, 0.2616, 0.3200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5F7FF
RGB	165, 247, 255
RGB Percent	65%, 97%, 100%
CMY	0.3531, 0.0313, 0.0000
CMYK	0.35, 0.03, 0.00, 0.00
HSL	185°, 100%, 82%
HSV	185°, 35%, 100%
XYZ	66.8232, 81.7409, 106.8762
YIQ	223.3940, -51.4400, -14.8960

# Conversions

## Conversions Part 2

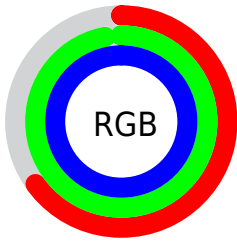
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 208, 255
Decimal	10876927
CIELab	92.46, -22.90, -11.76
CIElCh	92, 25.749, 207.183
Yxy	81.7409, 0.2616, 0.3200
Android (android.graphics.Color)	4289067007 (0xFFA5F7FF)
YUV	223.3940, 15.5818, -51.2115
Hunter-Lab	90.4107, -26.2880, -6.8004

# Details

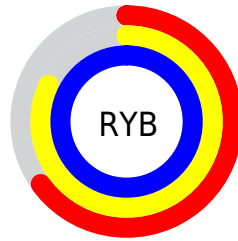
The Yxy color **81.7409, 0.2616, 0.3200** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.8435, 0.3948, 0.3377**, and the grayscale version is **73.9963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **44.1553, 0.2509, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **77.9010, 0.2497, 0.3171**, and if you desaturate by 10%, it is **86.1470, 0.2749, 0.3228**.

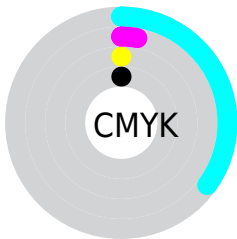
# Distribution



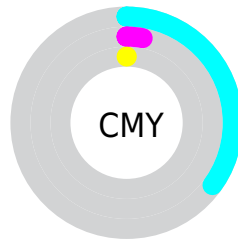
- Red (65%)
- Green (97%)
- Blue (100%)



- 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 81.7409, 0.2616, 0.3200 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 81.7409, 0.2616, 0.3200 by changing the saturation by 10% instead.




 81.7409, 0.2616,  
0.3200


 81.7409, 0.2616,  
0.3200


500.7806, 0.2844,  
0.3246

 61.1520, 0.2566,  
0.3189


 135.8106, 0.2693,  
0.3216

 44.3478, 0.2506,  
0.3175

 170.0602, 0.2724,  
0.3223

 30.9441, 0.2431,  
0.3156


209.6321, 0.2750,  
0.3228

 20.5563, 0.2335,  
0.3131

254.9107, 0.2774,  
0.3232

 12.8000, 0.2211,  
0.3096

306.2805, 0.2794,  
0.3236

 7.2910, 0.2041,  
0.3042

364.1258, 0.2812,

 3.6447, 0.1797,

0.3240

0.2954

428.8311, 0.2829,  
0.3243

■ 1.4769, 0.1421,  
0.2790

■ 0.2724, 0.0000,  
0.1946

■ 81.7409, 0.2616,  
0.3200

■ 81.7409, 0.2616,  
0.3200

■ 77.9010, 0.2497,  
0.3171

■ 86.1470, 0.2749,  
0.3228

■ 74.5881, 0.2395,  
0.3141

■ 91.1427, 0.2893,  
0.3254

■ 71.7683, 0.2312,  
0.3110

■ 96.7579, 0.3044,  
0.3278

■ 69.4009, 0.2248,  
0.3079

100.0000, 0.3127,  
0.3290

■ 67.4383, 0.2203,  
0.3048

■ 65.8217, 0.2176,  
0.3018

■ 65.1432, 0.2168,  
0.3004

# Harmonies

## Analogous

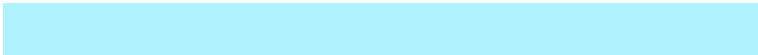
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7409, 0.2796, 0.3486



81.7409, 0.2616, 0.3200



81.7409, 0.2568, 0.2958

# Triad

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



81.7409, 0.2616, 0.3200



81.7409, 0.3165, 0.2907



81.7409, 0.3607, 0.3764

# Complementary

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



81.7409, 0.2616, 0.3200



53.8435, 0.3948, 0.3377

# 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.



81.7409, 0.3720, 0.3583



81.7409, 0.2616, 0.3200



81.7409, 0.3458, 0.3099

# Square

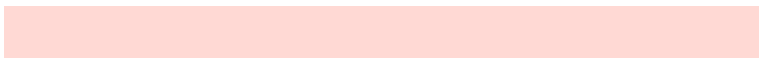
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7409, 0.2616, 0.3200



81.7409, 0.2873, 0.2806



81.7409, 0.3665, 0.3341



81.7409, 0.3366, 0.3822

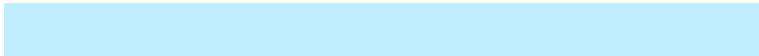


# Rectangle

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



81.7409, 0.2616, 0.3200



81.7409, 0.2614, 0.2853



81.7409, 0.3665, 0.3341



81.7409, 0.3661, 0.3714

# Sweetspot

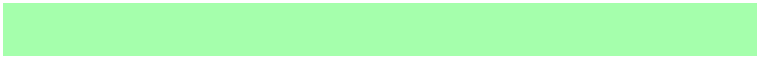
The Sweet Spot groups the original color and five complimentary colors.



81.7430, 0.2616, 0.3200



93.4849, 0.2957, 0.3265



82.5116, 0.3039, 0.4267



19.8492, 0.2937, 0.3261



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.



81.7430, 0.2616, 0.3200



79.1122, 0.2535, 0.3181



57.6806, 0.2545, 0.2679



20.1894, 0.2980, 0.3268



34.1528, 0.2169, 0.3009



3.4028, 0.2179, 0.3044



# Inverse Universe

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



54.8723, 0.3232, 0.2481



49.0314, 0.3255, 0.2334



73.8507, 0.3784, 0.3830



18.2709, 0.3152, 0.3076



14.1757, 0.3446, 0.1672

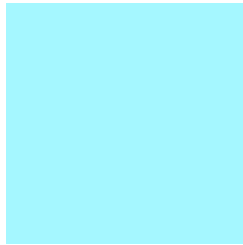


1.3881, 0.3416, 0.1655



# Previews

## White Background



This preview shows how the Yxy color 81.7409, 0.2616, 0.3200 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

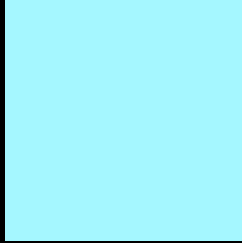
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.7409, 0.2616, 0.3200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

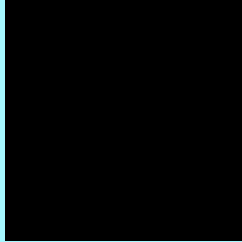
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.7409, 0.2616, 0.3200**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.7409, 0.2616, 0.3200.

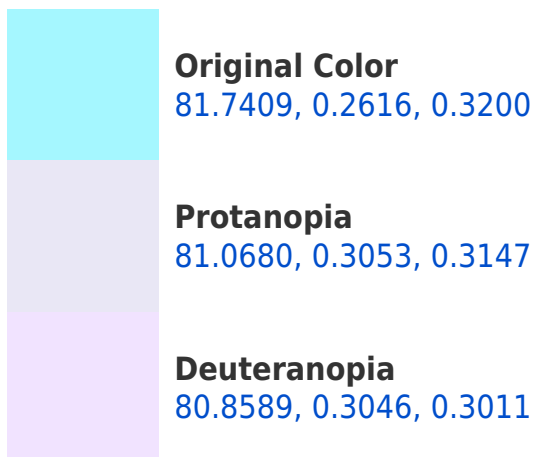


This preview shows how white text looks on a background with the Yxy color 81.7409, 0.2616, 0.3200.

# 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

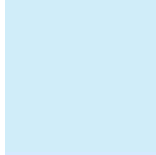
81.3371, 0.2749, 0.3139

# Trichromacy



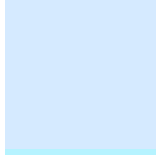
## Original Color

81.7409, 0.2616, 0.3200



## Protanomaly

80.8178, 0.2872, 0.3162



## Deuteranomaly

80.2118, 0.2867, 0.3070



## Tritanomaly

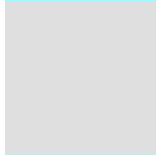
81.2663, 0.2697, 0.3158

# Monochromacy



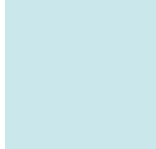
## Original Color

81.7409, 0.2616, 0.3200



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

76.2679, 0.2912, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.7409, 0.2616, 0.3200 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(165, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 247, 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(165, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 247, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 81.7409, 0.2616, 0.3200 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(165, 247, 255) }
```

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

```
.border{ border-color:rgb(165, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 247,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.7409, 0.2616, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 247, 255) }
```

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

```
.background{ background-color: rgb(165,  
247, 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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