

# Converting Colors

$Y_{xy}(100.0000, 0.2656, 0.3633)$

Have a look what the booklet for  
Yxy(100.0000, 0.2656, 0.3633)  
contains.

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# Color

**Yxy(84.9826, 0.2624, 0.3401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AFFF5
RGB	154, 255, 245
RGB Percent	60%, 100%, 96%
CMY	0.3960, 0.0000, 0.0392
CMYK	0.40, 0.00, 0.04, 0.00
HSL	174°, 100%, 80%
HSV	174°, 40%, 100%
XYZ	65.5673, 84.9826, 99.3254
YIQ	223.6610, -56.9860, -24.5220

# Conversions

## Conversions Part 2

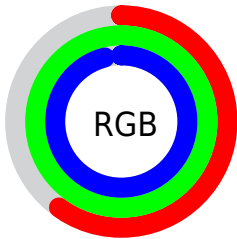
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 207, 255
Decimal	10158069
CIELab	93.88, -31.81, -4.53
CIELCh	94, 32.129, 188.101
Yxy	84.9826, 0.2624, 0.3401
Android (android.graphics.Color)	4288348149 (0xFF9AFFF5)
YUV	223.6610, 10.5201, -61.0927
Hunter-Lab	92.1860, -34.3674, 0.6484

# Details

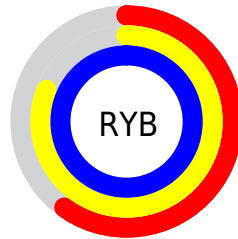
The Yxy color **84.9826, 0.2624, 0.3401** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0551, 0.4030, 0.3187**, and the grayscale version is **74.2414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **46.5491, 0.2513, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **82.5875, 0.2529, 0.3434**, and if you desaturate by 10%, it is **87.9119, 0.2735, 0.3370**.

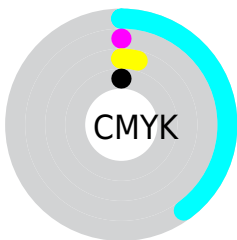
# Distribution



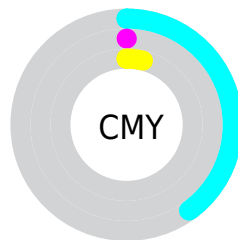
- Red (60%)
- Green (100%)
- Blue (96%)



- Red (60%)
- Yellow (81%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9826, 0.2624, 0.3401 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 84.9826, 0.2624, 0.3401 by changing the saturation by 10% instead.





 84.9826, 0.2624,  
0.3401


 84.9826, 0.2624,  
0.3401


511.5705, 0.2848,  
0.3354

 63.8270, 0.2575,  
0.3411

 140.3489, 0.2700,  
0.3386

 46.5106, 0.2515,  
0.3422


 175.3283, 0.2730,  
0.3379

 32.6489, 0.2442,  
0.3436


215.6845, 0.2756,  
0.3374

 21.8576, 0.2348,  
0.3453

261.8019, 0.2779,  
0.3369

 13.7523, 0.2225,  
0.3473

314.0647, 0.2799,  
0.3365

 7.9486, 0.2057,  
0.3499


372.8575, 0.2817,


 4.0621, 0.1816,


0.3361


438.5647, 0.2833,  
0.3357


0.3530


 1.7083, 0.1428,  
0.3569


 0.4291, 0.0000,  
0.3538


 84.9826, 0.2624,  
0.3401


 84.9826, 0.2624,  
0.3401


 82.5875, 0.2529,  
0.3434

 87.9119, 0.2735,  
0.3370

 80.6916, 0.2452,  
0.3467

 91.4054, 0.2858,  
0.3341

 79.2575, 0.2395,  
0.3502

 95.4920, 0.2992,  
0.3314

 78.2417, 0.2357,  
0.3536

100.0000, 0.3127,  
0.3290

■ 77.5928, 0.2338,  
0.3571

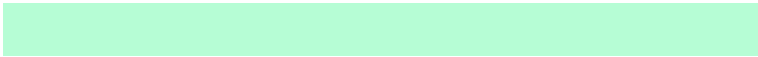
■ 77.2301, 0.2335,  
0.3604

■ 77.2179, 0.2335,  
0.3606

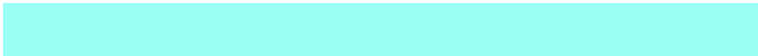
# Harmonies

## Analogous

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



84.9826, 0.2921, 0.3735



84.9826, 0.2624, 0.3401



84.9826, 0.2463, 0.3054

# Triad

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



84.9826, 0.2624, 0.3401



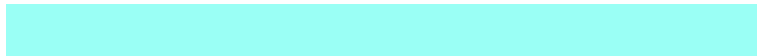
84.9826, 0.2937, 0.2732



84.9826, 0.3828, 0.3737

# Complementary

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



84.9826, 0.2624, 0.3401



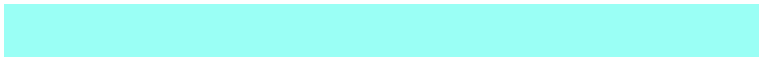
47.0551, 0.4030, 0.3187

# 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.



84.9826, 0.3841, 0.3457



84.9826, 0.2624, 0.3401



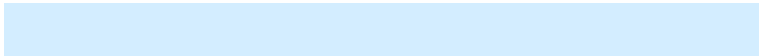
84.9826, 0.3308, 0.2898

# Square

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



84.9826, 0.2624, 0.3401



84.9826, 0.2634, 0.2694



84.9826, 0.3647, 0.3157

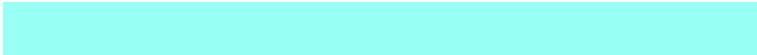


84.9826, 0.3620, 0.3920



# Rectangle

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



84.9826, 0.2624, 0.3401



84.9826, 0.2447, 0.2872



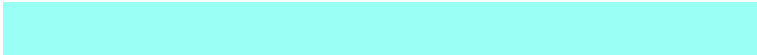
84.9826, 0.3647, 0.3157



84.9826, 0.3856, 0.3650

# Sweetspot

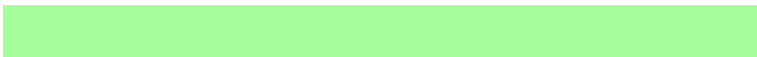
The Sweet Spot groups the original color and five complimentary colors.



84.9829, 0.2624, 0.3401



94.4575, 0.2959, 0.3320



81.7574, 0.3127, 0.4491



20.1002, 0.2941, 0.3323



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

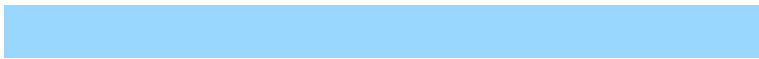
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9829, 0.2624, 0.3401



82.9372, 0.2543, 0.3428



62.4901, 0.2506, 0.2817



20.4486, 0.2993, 0.3313



40.3607, 0.2333, 0.3600



3.9384, 0.2323, 0.3561



# Inverse Universe

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



47.0551, 0.4030, 0.3187



39.9618, 0.4334, 0.3168



62.3576, 0.3958, 0.3713



18.0163, 0.3279, 0.3267



11.1557, 0.6290, 0.3239

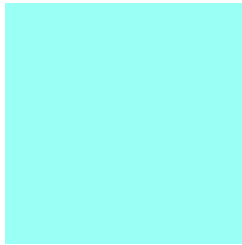


1.0955, 0.6078, 0.3122



# Previews

## White Background



This preview shows how the Yxy color 84.9826, 0.2624, 0.3401 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

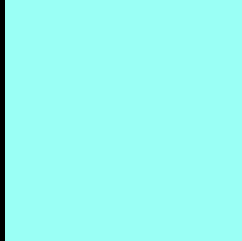
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9826, 0.2624, 0.3401 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

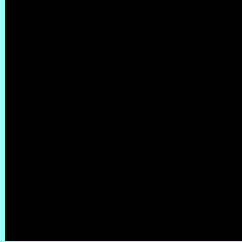
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.9826, 0.2624, 0.3401**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9826, 0.2624, 0.3401.

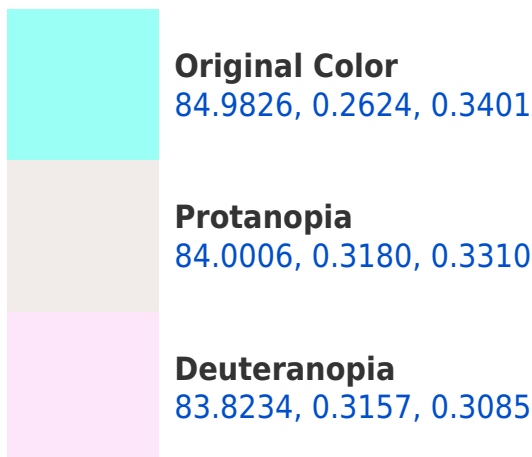


This preview shows how white text looks on a background with the Yxy color 84.9826, 0.2624, 0.3401.

# 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

84.4779, 0.2808, 0.3173

# Trichromacy



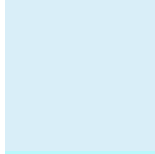
## Original Color

84.9826, 0.2624, 0.3401



## Protanomaly

83.1740, 0.2947, 0.3343



## Deuteranomaly

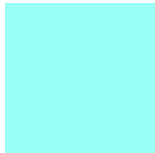
82.6781, 0.2933, 0.3185



## Tritanomaly

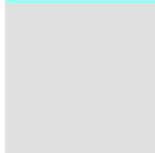
84.4141, 0.2739, 0.3256

# Monochromacy



## Original Color

84.9826, 0.2624, 0.3401



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.3850, 0.2912, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9826, 0.2624, 0.3401 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(154, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 245)  
}
```

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(154, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9826, 0.2624, 0.3401 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(154, 255, 245) }
```

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

```
.border{ border-color:rgb(154, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9826, 0.2624, 0.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 245) }
```

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

```
.background{ background-color: rgb(154,  
255, 245) }
```

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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