

# Converting Colors

$Yxy(84.8912, 0.2582, 0.3288)$

Have a look what the booklet for  
Yxy(84.8912, 0.2582, 0.3288)  
contains.

<b>Yxy(84.9094, 0.2582, 0.3288)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(84.9094, 0.2582, 0.3288)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9AFEFE
RGB	154, 254, 254
RGB Percent	60%, 100%, 100%
CMY	0.3956, 0.0040, 0.0039
CMYK	0.39, 0.00, 0.00, 0.00
HSL	180°, 98%, 80%
HSV	180°, 39%, 100%
XYZ	66.6776, 84.9094, 106.6532
YIQ	224.1000, -59.6000, -21.2000

# Conversions

## Conversions Part 2

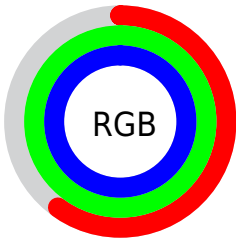
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 204, 254
Decimal	10157822
CIELab	93.84, -29.19, -9.24
CIELCh	94, 30.619, 197.562
Yxy	84.9094, 0.2582, 0.3288
Android (android.graphics.Color)	4288347902 (0xFF9AFEFE)
YUV	224.1000, 14.7407, -61.4777
Hunter-Lab	92.1463, -32.0923, -4.1218

# Details

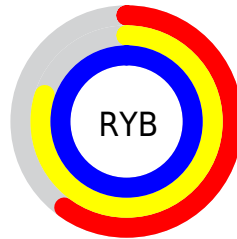
The Yxy color **84.9094, 0.2582, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.5775, 0.4123, 0.3293**, and the grayscale version is **74.5642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **46.4505, 0.2468, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **82.6704, 0.2479, 0.3288**, and if you desaturate by 10%, it is **87.6826, 0.2702, 0.3288**.

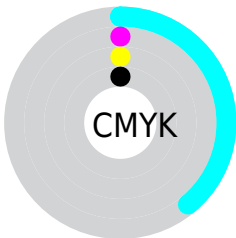
# Distribution



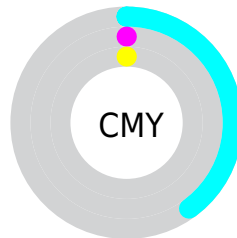
- Red (60%)
- Green (100%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9094, 0.2582, 0.3288 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 84.9094, 0.2582, 0.3288 by changing the saturation by 10% instead.





 84.9094, 0.2582,  
0.3288

 84.9094, 0.2582,  
0.3288


511.3282, 0.2823,  
0.3294

 63.7665, 0.2529,  
0.3286


 140.2466, 0.2664,  
0.3291

 46.4616, 0.2466,  
0.3282

 175.2097, 0.2696,  
0.3292

 32.6102, 0.2387,  
0.3277


215.5483, 0.2724,  
0.3293

 21.8280, 0.2288,  
0.3269

261.6469, 0.2749,  
0.3293

 13.7306, 0.2158,  
0.3256

313.8897, 0.2771,  
0.3293

 7.9335, 0.1983,  
0.3234

372.6613, 0.2790,

 4.0524, 0.1735,

0.3294

0.3191

438.3460, 0.2807,  
0.3294

■ 1.7029, 0.1355,  
0.3102

■ 0.4256, 0.0000,  
0.2759

■ 84.9094, 0.2582,  
0.3288

■ 84.9094, 0.2582,  
0.3288

■ 82.6704, 0.2479,  
0.3288

■ 87.6826, 0.2702,  
0.3288

■ 80.9220, 0.2395,  
0.3287

■ 91.0105, 0.2837,  
0.3289

■ 79.6301, 0.2330,  
0.3287

■ 94.9248, 0.2983,  
0.3290

■ 78.7522, 0.2285,  
0.3287

99.3113, 0.3133,  
0.3290

■ 78.2374, 0.2259,  
0.3287

99.3167, 0.3133,  
0.3290

■ 78.0084, 0.2247,  
0.3286

99.3221, 0.3133,  
0.3290

■ 77.9969, 0.2246,  
0.3286

99.3275, 0.3133,  
0.3290

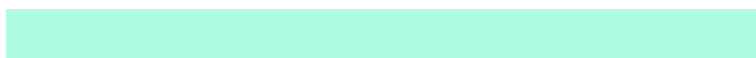
99.3329, 0.3133,  
0.3290

99.3383, 0.3133,  
0.3290

# Harmonies

## Analogous

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



84.9094, 0.2831, 0.3622



84.9094, 0.2582, 0.3288



84.9094, 0.2476, 0.2978

# Triad

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



84.9094, 0.2582, 0.3288



84.9094, 0.3055, 0.2794



84.9094, 0.3751, 0.3786

# Complementary

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



84.9094, 0.2582, 0.3288



46.5775, 0.4123, 0.3293

# 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.



84.9094, 0.3826, 0.3541



84.9094, 0.2582, 0.3288



84.9094, 0.3411, 0.2986

# Square

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



84.9094, 0.2582, 0.3288



84.9094, 0.2736, 0.2717



84.9094, 0.3699, 0.3253



84.9094, 0.3507, 0.3914



# Rectangle

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



84.9094, 0.2582, 0.3288



84.9094, 0.2494, 0.2829



84.9094, 0.3699, 0.3253



84.9094, 0.3798, 0.3714

# Sweetspot

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



84.9127, 0.2582, 0.3288



94.6447, 0.2943, 0.3289



80.1147, 0.3070, 0.4502



20.1446, 0.2923, 0.3289



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.



84.9127, 0.2582, 0.3288



83.8777, 0.2501, 0.3288



57.2610, 0.2491, 0.2699



20.4804, 0.2980, 0.3289



41.1154, 0.2246, 0.3286



4.0036, 0.2246, 0.3287



# Inverse Universe

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



51.3836, 0.3173, 0.2318



45.8472, 0.3181, 0.2146



66.6326, 0.3908, 0.3811



18.3003, 0.3138, 0.3056



14.8786, 0.3210, 0.1542

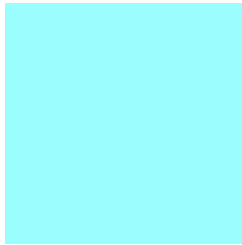


1.4487, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 84.9094, 0.2582, 0.3288 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

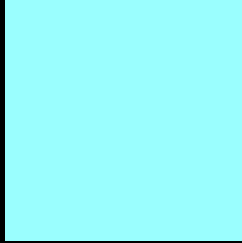
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.9094, 0.2582, 0.3288 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

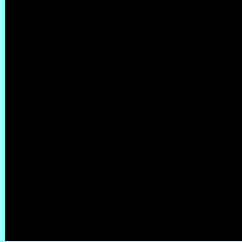
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

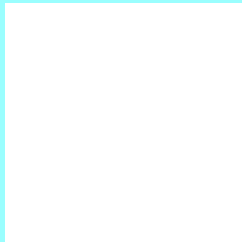
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.9094, 0.2582, 0.3288**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.9094, 0.2582, 0.3288.

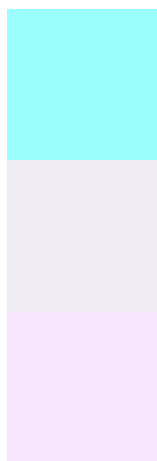


This preview shows how white text looks on a background with the Yxy color 84.9094, 0.2582, 0.3288.

# 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



### Original Color

84.9094, 0.2582, 0.3288

### Protanopia

84.0649, 0.3098, 0.3209

### Deuteranopia

83.9647, 0.3078, 0.3054



## Tritanopia

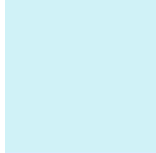
84.3389, 0.2803, 0.3173

# Trichromacy



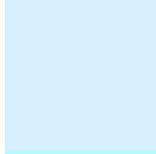
## Original Color

84.9094, 0.2582, 0.3288



## Protanomaly

83.6296, 0.2885, 0.3237



## Deuteranomaly

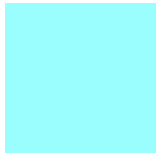
83.0991, 0.2870, 0.3123



## Tritanomaly

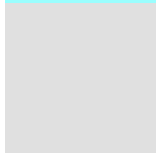
84.5452, 0.2713, 0.3213

# Monochromacy



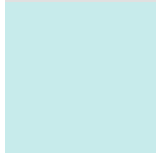
## Original Color

84.9094, 0.2582, 0.3288



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

77.5569, 0.2895, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.9094, 0.2582, 0.3288 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, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(154, 254, 254)  
}
```

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, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 254, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 84.9094, 0.2582, 0.3288 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, 254, 254) }
```

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

```
.border{ border-color:rgb(154, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(154, 254,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.9094, 0.2582, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 254, 254) }
```

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

```
.background{ background-color: rgb(154,  
254, 254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor