

# Converting Colors

$Yxy(84.3658, 0.2598, 0.3405)$

Have a look what the booklet for  
Yxy(84.3658, 0.2598, 0.3405)  
contains.

<b>Yxy(84.4085, 0.2597, 0.3402)</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(84.4085, 0.2597, 0.3402)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94FFF5
RGB	148, 255, 245
RGB Percent	58%, 100%, 96%
CMY	0.4201, 0.0000, 0.0393
CMYK	0.42, 0.00, 0.04, 0.00
HSL	174°, 100%, 79%
HSV	174°, 42%, 100%
XYZ	64.4353, 84.4085, 99.2705
YIQ	221.8670, -60.5620, -25.7940

# Conversions

## Conversions Part 2

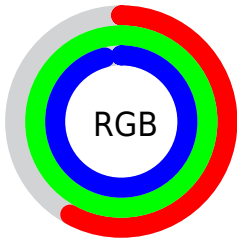
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	148, 204, 255
Decimal	9764853
CIE Lab	93.63, -33.30, -4.92
CIE LCh	94, 33.658, 188.404
Yxy	84.4085, 0.2597, 0.3402
Android (android.graphics.Color)	4287954933 (0xFF94FFF5)
YUV	221.8670, 11.4046, -64.7814
Hunter-Lab	91.8741, -35.5899, 0.2486

# Details

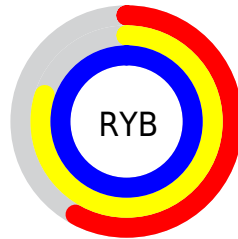
The Yxy color **84.4085, 0.2597, 0.3402** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.8661, 0.4119, 0.3188**, and the grayscale version is **72.8692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **46.1861, 0.2482, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **82.1323, 0.2506, 0.3433**, and if you desaturate by 10%, it is **87.1856, 0.2704, 0.3372**.

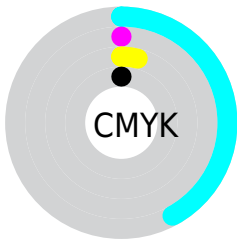
# Distribution



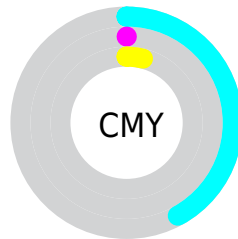
- Red (58%)
- Green (100%)
- Blue (96%)



- Red (58%)
- Yellow (80%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.4085, 0.2597, 0.3402 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 84.4085, 0.2597, 0.3402 by changing the saturation by 10% instead.



 84.4085, 0.2597,  
0.3402

 84.4085, 0.2597,  
0.3402


509.6688, 0.2833,  
0.3355

 63.3528, 0.2545,  
0.3412


 139.5465, 0.2677,  
0.3387

 46.1266, 0.2483,  
0.3423

 174.3975, 0.2709,  
0.3380

 32.3458, 0.2405,  
0.3437


214.6157, 0.2736,  
0.3375

 21.6257, 0.2306,  
0.3453

260.5855, 0.2760,  
0.3370

 13.5822, 0.2177,  
0.3473

312.6913, 0.2782,  
0.3366

 7.8306, 0.2001,  
0.3497

371.3176, 0.2801,

 3.9868, 0.1748,

0.3362

436.8486, 0.2818,  
0.3358

0.3524

1.6662, 0.1328,  
0.3562

0.4016, 0.0000,  
0.3395

84.4085, 0.2597,  
0.3402

84.4085, 0.2597,  
0.3402

82.1323, 0.2506,  
0.3433

87.1856, 0.2704,  
0.3372

80.3590, 0.2433,  
0.3465

90.5320, 0.2826,  
0.3344

79.0373, 0.2380,  
0.3497

94.4646, 0.2958,  
0.3318

78.1223, 0.2347,  
0.3529

99.0105, 0.3098,  
0.3295

■ 77.5598, 0.2332,  
0.3562

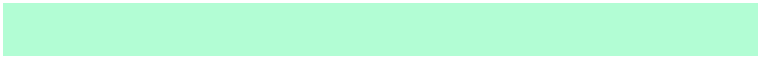
100.0000, 0.3127,  
0.3290

■ 77.2988, 0.2330,  
0.3587

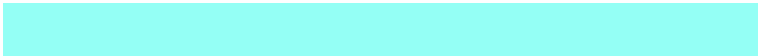
# Harmonies

## Analogous

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



84.4085, 0.2907, 0.3756



84.4085, 0.2597, 0.3402



84.4085, 0.2430, 0.3038

# Triad

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



84.4085, 0.2597, 0.3402



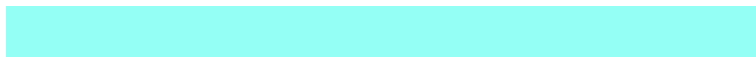
84.4085, 0.2930, 0.2707



84.4085, 0.3862, 0.3760

# Complementary

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



84.4085, 0.2597, 0.3402



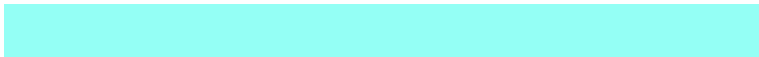
44.8661, 0.4119, 0.3188

# 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.



84.4085, 0.3878, 0.3467



84.4085, 0.2597, 0.3402



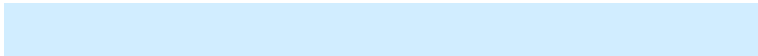
84.4085, 0.3321, 0.2882

# Square

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



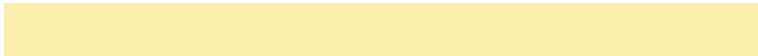
84.4085, 0.2597, 0.3402



84.4085, 0.2613, 0.2665



84.4085, 0.3676, 0.3153

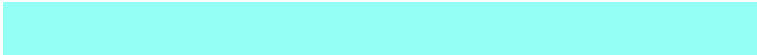


84.4085, 0.3641, 0.3953



# Rectangle

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



84.4085, 0.2597, 0.3402



84.4085, 0.2415, 0.2848



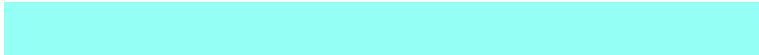
84.4085, 0.3676, 0.3153



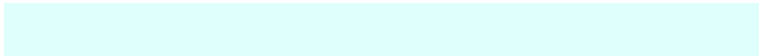
84.4085, 0.3892, 0.3669

# Sweetspot

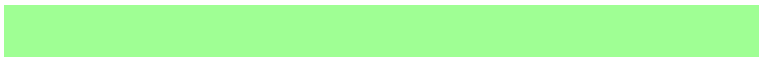
The Sweet Spot groups the original color and five complimentary colors.



84.3962, 0.2597, 0.3402



94.0479, 0.2945, 0.3321



80.9833, 0.3125, 0.4576



19.9361, 0.2915, 0.3326



0.0000, 0.0000, 0.0000

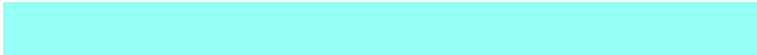


21.4041, 0.3127, 0.3290



# Same Dimension

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



84.3962, 0.2597, 0.3402



82.5465, 0.2523, 0.3426



60.6669, 0.2469, 0.2783



20.4505, 0.2993, 0.3312



40.4023, 0.2328, 0.3582



3.9420, 0.2318, 0.3545



# Inverse Universe

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



44.8661, 0.4119, 0.3188



38.4445, 0.4421, 0.3172



60.5366, 0.4024, 0.3739



18.0146, 0.3280, 0.3268



11.1521, 0.6298, 0.3243

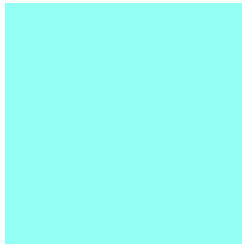


1.0947, 0.6096, 0.3132



# Previews

## White Background



This preview shows how the Yxy color 84.4085, 0.2597, 0.3402 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

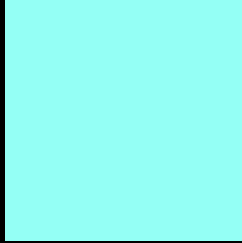
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.4085, 0.2597, 0.3402 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 84.4085, 0.2597, 0.3402**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.4085, 0.2597, 0.3402.

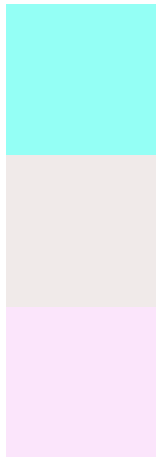


This preview shows how white text looks on a background with the Yxy color 84.4085, 0.2597, 0.3402.

# 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

84.4085, 0.2597, 0.3402

### Protanopia

83.2541, 0.3174, 0.3300

### Deuteranopia

83.5129, 0.3137, 0.3075



## Tritanopia

83.9271, 0.2786, 0.3173

# Trichromacy



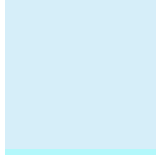
## Original Color

84.4085, 0.2597, 0.3402



## Protanomaly

82.8841, 0.2935, 0.3343



## Deuteranomaly

82.2848, 0.2909, 0.3174



## Tritanomaly

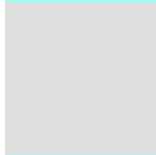
83.8031, 0.2712, 0.3256

# Monochromacy



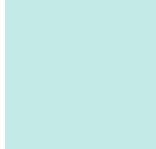
## Original Color

84.4085, 0.2597, 0.3402



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.1609, 0.2898, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.4085, 0.2597, 0.3402 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(148, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 84.4085, 0.2597, 0.3402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

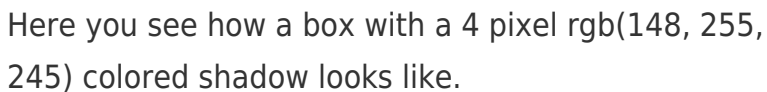
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(148, 255, 245) }
```

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

```
.border{ border-color:rgb(148, 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(148, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(148, 255, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(148, 255, 245); box-shadow:4px 4px 4px 4px rgb(148, 255, 245) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.4085, 0.2597, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 245) }
```

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

```
.background{ background-color: rgb(148,  
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](#).

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