

# Converting Colors

$Yxy(84.7731, 0.2628, 0.3422)$

Have a look what the booklet for  
Yxy(84.7731, 0.2628, 0.3422)  
contains.

|   |    |
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# Color

**Yxy(84.7634, 0.2629, 0.3424)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 99FFF3                       |
| RGB         | 153, 255, 243                |
| RGB Percent | 60%, 100%, 95%               |
| CMY         | 0.3997, 0.0000, 0.0471       |
| CMYK        | 0.40, 0.00, 0.05, 0.00       |
| HSL         | 173°, 100%, 80%              |
| HSV         | 173°, 40%, 100%              |
| XYZ         | 65.0826, 84.7634, 97.7106    |
| YIQ         | 223.1340, -56.9400, -25.3560 |

# Conversions

## Conversions Part 2

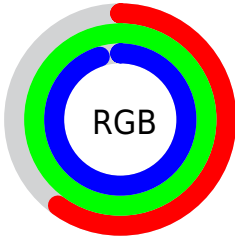
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 153, 207, 255                 |
| Decimal                             | 10092531                      |
| CIE <sub>Lab</sub>                  | 93.78, -32.49, -3.63          |
| CIE <sub>LCh</sub>                  | 94, 32.694, 186.381           |
| Yxy                                 | 84.7634, 0.2629,<br>0.3424    |
| Android<br>(android.graphics.Color) | 4288282611<br>(0xFF99FFF3)    |
| YUV                                 | 223.1340, 9.7939,<br>-61.5075 |
| Hunter-Lab                          | 92.0670, -34.9348,<br>1.5225  |

# Details

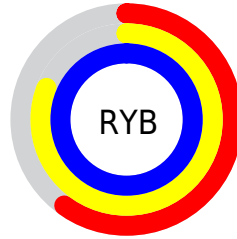
The Yxy color **84.7634, 0.2629, 0.3424** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.7866, 0.4023, 0.3166**, and the grayscale version is **73.8646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **46.4089, 0.2520, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **82.3634, 0.2536, 0.3463**, and if you desaturate by 10%, it is **87.7033, 0.2737, 0.3387**.

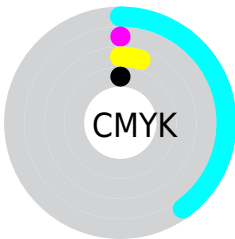
# Distribution



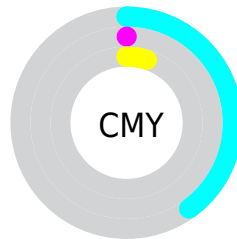
- Red (60%)
- Green (100%)
- Blue (95%)



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



- Cyan (40%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7634, 0.2629, 0.3424 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 84.7634, 0.2629, 0.3424 by changing the saturation by 10% instead.




 84.7634, 0.2629,  
0.3424


 84.7634, 0.2629,  
0.3424


510.8448, 0.2851,  
0.3366

 63.6459, 0.2580,  
0.3436

 140.0426, 0.2704,  
0.3405

 46.3639, 0.2521,  
0.3451

 174.9730, 0.2734,  
0.3397

 32.5331, 0.2448,  
0.3468


215.2766, 0.2760,  
0.3390

 21.7690, 0.2354,  
0.3490

261.3376, 0.2783,  
0.3384

 13.6873, 0.2232,  
0.3518

313.5406, 0.2803,  
0.3379

 7.9035, 0.2064,  
0.3554

372.2699, 0.2821,

 4.0333, 0.1822,

0.3374

0.3601

437.9098, 0.2837,  
0.3370

■ 1.6922, 0.1425,  
0.3670

■ 0.4186, 0.0000,  
0.3710

■ 84.7634, 0.2629,  
0.3424

■ 84.7634, 0.2629,  
0.3424

■ 82.3634, 0.2536,  
0.3463

■ 87.7033, 0.2737,  
0.3387

■ 80.4591, 0.2462,  
0.3504

■ 91.2042, 0.2858,  
0.3352

■ 79.0159, 0.2406,  
0.3545

■ 95.2980, 0.2990,  
0.3319

■ 77.9902, 0.2371,  
0.3587

99.9969, 0.3127,  
0.3290

■ 77.3301, 0.2354,  
0.3628

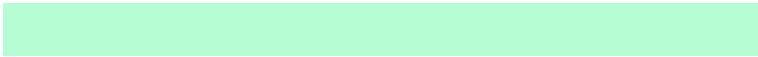
■ 76.9511, 0.2353,  
0.3669

■ 76.9500, 0.2353,  
0.3669

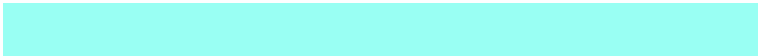
# Harmonies

## Analogous

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



84.7634, 0.2938, 0.3761



84.7634, 0.2629, 0.3424



84.7634, 0.2456, 0.3068

# Triad

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



84.7634, 0.2629, 0.3424



84.7634, 0.2912, 0.2716



84.7634, 0.3848, 0.3730

# Complementary

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



84.7634, 0.2629, 0.3424



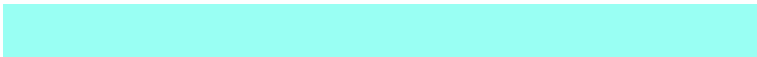
46.7866, 0.4023, 0.3166

# 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.



84.7634, 0.3848, 0.3442



84.7634, 0.2629, 0.3424



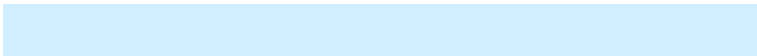
84.7634, 0.3290, 0.2879

# Square

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



84.7634, 0.2629, 0.3424



84.7634, 0.2612, 0.2685



84.7634, 0.3639, 0.3137

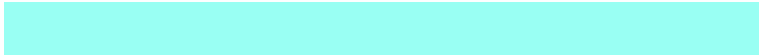


84.7634, 0.3646, 0.3925



# Rectangle

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



84.7634, 0.2629, 0.3424



84.7634, 0.2433, 0.2878



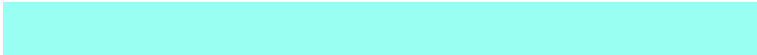
84.7634, 0.3639, 0.3137



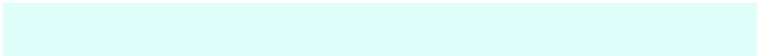
84.7634, 0.3872, 0.3640

# Sweetspot

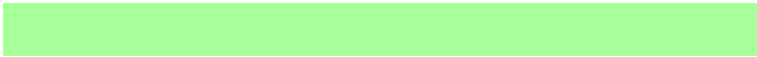
The Sweet Spot groups the original color and five complimentary colors.



84.7668, 0.2629, 0.3424



94.4212, 0.2962, 0.3326



81.9985, 0.3147, 0.4497



20.0916, 0.2945, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

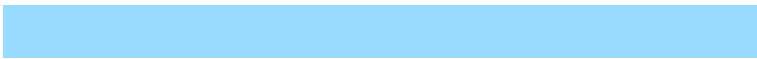
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7668, 0.2629, 0.3424



82.7996, 0.2553, 0.3455



63.9481, 0.2507, 0.2853



20.4424, 0.2996, 0.3318



40.2245, 0.2351, 0.3662



3.9265, 0.2338, 0.3615



# Inverse Universe

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



46.7866, 0.4023, 0.3166



40.0331, 0.4307, 0.3144



60.5824, 0.3982, 0.3683



18.0219, 0.3276, 0.3262



11.1688, 0.6259, 0.3222

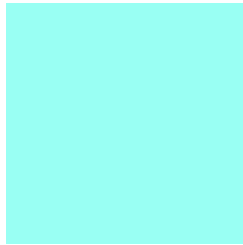


1.0981, 0.6022, 0.3091



# Previews

## White Background



This preview shows how the Yxy color 84.7634, 0.2629, 0.3424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

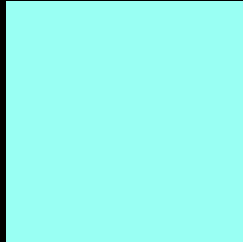
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7634, 0.2629, 0.3424 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

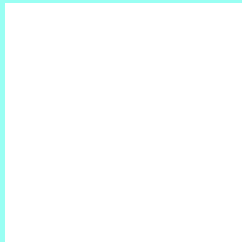
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7634, 0.2629, 0.3424**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7634, 0.2629, 0.3424.

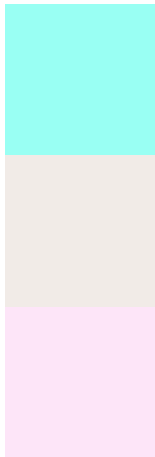


This preview shows how white text looks on a background with the Yxy color 84.7634, 0.2629, 0.3424.

# 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

84.7634, 0.2629, 0.3424

### Protanopia

83.8870, 0.3193, 0.3331

### Deuteranopia

83.6986, 0.3170, 0.3104



## Tritanopia

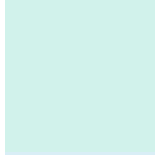
84.3389, 0.2803, 0.3173

# Trichromacy



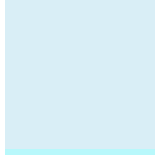
## Original Color

84.7634, 0.2629, 0.3424



## Protanomaly

83.0577, 0.2959, 0.3364



## Deuteranomaly

82.5546, 0.2945, 0.3206



## Tritanomaly

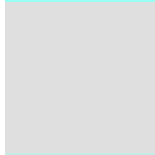
84.2902, 0.2733, 0.3256

# Monochromacy



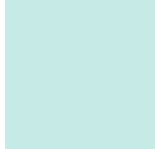
## Original Color

84.7634, 0.2629, 0.3424



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.1356, 0.2917, 0.3345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7634, 0.2629, 0.3424 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(153, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 243)  
}
```

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(153, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 243) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7634, 0.2629, 0.3424 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(153, 255, 243) }
```

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

```
.border{ border-color:rgb(153, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
243) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7634, 0.2629, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 243) }
```

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

```
.background{ background-color: rgb(153,  
255, 243) }
```

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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