

# Converting Colors

$Y_{xy}(101.7558, 0.2700, 0.3756)$

Have a look what the booklet for  
Yxy(101.7558, 0.2700, 0.3756)  
contains.

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# Color

**Yxy(84.6030, 0.2666, 0.3493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFFED
RGB	155, 255, 237
RGB Percent	61%, 100%, 93%
CMY	0.3918, 0.0000, 0.0707
CMYK	0.39, 0.00, 0.07, 0.00
HSL	169°, 100%, 80%
HSV	169°, 39%, 100%
XYZ	64.5725, 84.6030, 93.0318
YIQ	223.0480, -53.8220, -26.7980

# Conversions

## Conversions Part 2

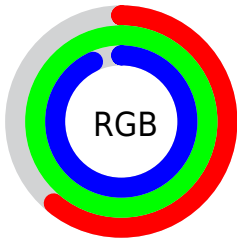
Format	Color
<b>RYB</b>	155, 210, 255
Decimal	10223597
CIELab	93.71, -33.35, -0.62
CIELCh	94, 33.353, 181.071
Yxy	84.6030, 0.2666, 0.3493
Android (android.graphics.Color)	4288413677 (0xFF9BFFED)
YUV	223.0480, 6.8783, -59.6781
Hunter-Lab	91.9799, -35.6528, 4.4179

# Details

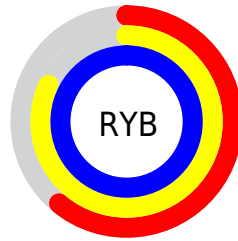
The Yxy color **84.6030, 0.2666, 0.3493** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.7498, 0.3933, 0.3103**, and the grayscale version is **73.8204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **46.3210, 0.2567, 0.3542** is the 20% darker color. If you saturate the color by 10%, you get **82.0773, 0.2577, 0.3554**, and if you desaturate by 10%, it is **87.6751, 0.2769, 0.3435**.

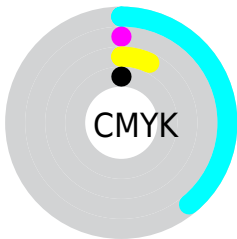
# Distribution



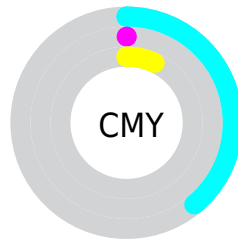
- Red (61%)
- Green (100%)
- Blue (93%)



- Red (61%)
- Yellow (82%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6030, 0.2666, 0.3493 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 84.6030, 0.2666, 0.3493 by changing the saturation by 10% instead.




 84.6030, 0.2666,  
0.3493


 84.6030, 0.2666,  
0.3493


510.3135, 0.2873,  
0.3403

 63.5134, 0.2620,  
0.3513


 139.8184, 0.2736,  
0.3462

 46.2567, 0.2565,  
0.3537


 174.7129, 0.2764,  
0.3450

 32.4484, 0.2496,  
0.3567


214.9779, 0.2788,  
0.3440

 21.7042, 0.2408,  
0.3605

260.9978, 0.2809,  
0.3430

 13.6397, 0.2291,  
0.3656

313.1569, 0.2828,  
0.3422

 7.8705, 0.2131,  
0.3724

371.8396, 0.2844,

 4.0122, 0.1897,

0.3415

0.3824

437.4303, 0.2859,  
0.3408

■ 1.6804, 0.1495,  
0.3995

■ 0.4109, 0.0000,  
0.4556

■ 84.6030, 0.2666,  
0.3493

■ 84.6030, 0.2666,  
0.3493

■ 82.0773, 0.2577,  
0.3554

■ 87.6751, 0.2769,  
0.3435

■ 80.0540, 0.2506,  
0.3618


■ 91.3144, 0.2884,  
0.3381


■ 78.4988, 0.2454,  
0.3683


■ 95.5528, 0.3008,  
0.3332

■ 77.3686, 0.2421,  
0.3749

99.9963, 0.3127,  
0.3290

 76.6122, 0.2408,  
0.3815

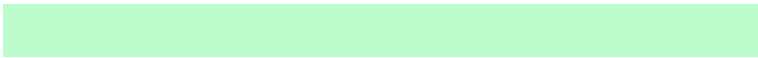
 76.1530, 0.2412,  
0.3880

 76.1209, 0.2413,  
0.3885

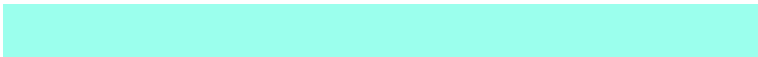
# Harmonies

## Analogous

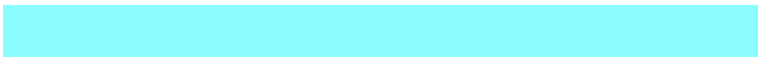
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6030, 0.2998, 0.3819



84.6030, 0.2666, 0.3493



84.6030, 0.2462, 0.3123

# Triad

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



84.6030, 0.2666, 0.3493



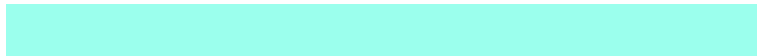
84.6030, 0.2845, 0.2689



84.6030, 0.3879, 0.3691

# Complementary

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



84.6030, 0.2666, 0.3493



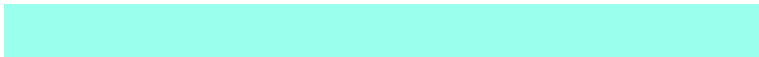
47.7498, 0.3933, 0.3103

# 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.



84.6030, 0.3840, 0.3389



84.6030, 0.2666, 0.3493



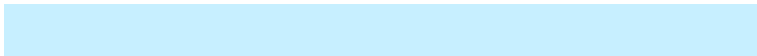
84.6030, 0.3223, 0.2833

# Square

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



84.6030, 0.2666, 0.3493



84.6030, 0.2561, 0.2684



84.6030, 0.3594, 0.3082

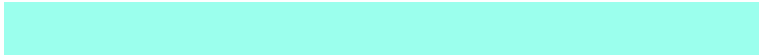


84.6030, 0.3705, 0.3914



# Rectangle

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



84.6030, 0.2666, 0.3493



84.6030, 0.2418, 0.2915



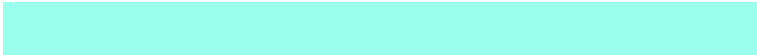
84.6030, 0.3594, 0.3082



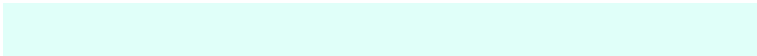
84.6030, 0.3891, 0.3595

# Sweetspot

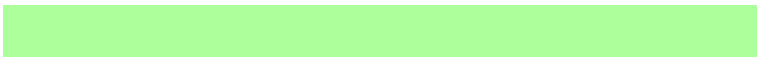
The Sweet Spot groups the original color and five complimentary colors.



84.6064, 0.2666, 0.3493



94.3010, 0.2973, 0.3345



82.8155, 0.3177, 0.4459



20.0632, 0.2956, 0.3352



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

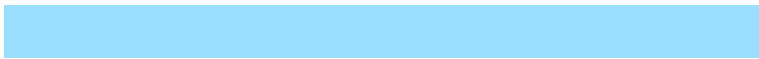
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6064, 0.2666, 0.3493



82.5890, 0.2595, 0.3541



67.1618, 0.2528, 0.2923



20.4220, 0.3004, 0.3333



39.7972, 0.2410, 0.3874



3.8889, 0.2389, 0.3800



# Inverse Universe

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



47.7498, 0.3933, 0.3103



41.0559, 0.4184, 0.3068



59.0506, 0.3981, 0.3624



18.0405, 0.3266, 0.3247



11.2271, 0.6130, 0.3150

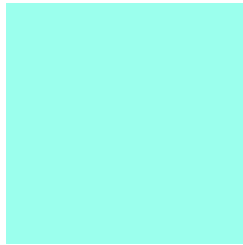


1.1069, 0.5842, 0.2992



# Previews

## White Background



This preview shows how the Yxy color 84.6030, 0.2666, 0.3493 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

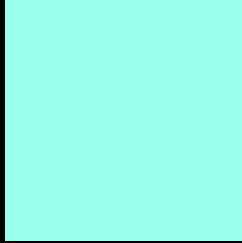
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.6030, 0.2666, 0.3493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

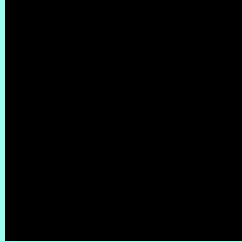
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.6030, 0.2666, 0.3493**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.6030, 0.2666, 0.3493.

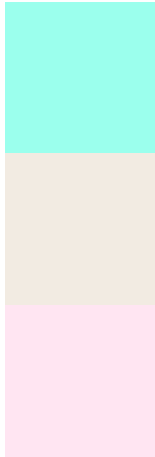


This preview shows how white text looks on a background with the Yxy color 84.6030, 0.2666, 0.3493.

# 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

84.6030, 0.2666, 0.3493

### Protanopia

83.7849, 0.3231, 0.3382

### Deuteranopia

83.7094, 0.3222, 0.3163



## Tritanopia

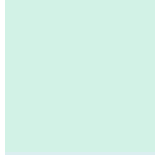
84.3389, 0.2803, 0.3173

# Trichromacy



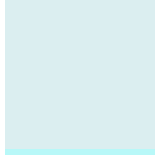
## Original Color

84.6030, 0.2666, 0.3493



## Protanomaly

82.9191, 0.2993, 0.3418



## Deuteranomaly

82.5004, 0.2992, 0.3269



## Tritanomaly

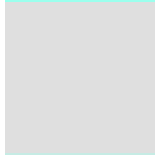
84.1025, 0.2748, 0.3289

# Monochromacy



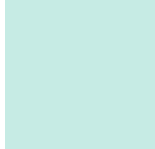
## Original Color

84.6030, 0.2666, 0.3493



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.0239, 0.2929, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.6030, 0.2666, 0.3493 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(155, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 237)  
}
```

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(155, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 84.6030, 0.2666, 0.3493 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(155, 255, 237) }
```

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

```
.border{ border-color:rgb(155, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.6030, 0.2666, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 237) }
```

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

```
.background{ background-color: rgb(155,  
255, 237) }
```

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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