

# Converting Colors

$Yxy(88.4434, 0.2822, 0.3462)$

Have a look what the booklet for  
Yxy(88.4434, 0.2822, 0.3462)  
contains.

|   |    |
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# Color

**Yxy(88.4434, 0.2822, 0.3462)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | BCFFEF                       |
| RGB         | 188, 255, 239                |
| RGB Percent | 74%, 100%, 94%               |
| CMY         | 0.2624, 0.0000, 0.0627       |
| CMYK        | 0.26, 0.00, 0.06, 0.00       |
| HSL         | 166°, 100%, 87%              |
| HSV         | 166°, 26%, 100%              |
| XYZ         | 72.0934, 88.4434, 94.9323    |
| YIQ         | 233.1430, -34.7960, -19.1800 |

# Conversions

## Conversions Part 2

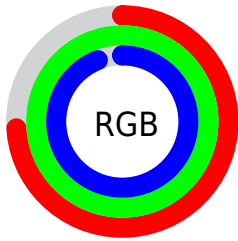
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 188, 226, 255                 |
| Decimal                             | 12386287                      |
| CIELab                              | 95.35, -23.96, 0.91           |
| CIELCh                              | 95, 23.972, 177.817           |
| Yxy                                 | 88.4434, 0.2822,<br>0.3462    |
| Android<br>(android.graphics.Color) | 4290576367<br>(0xFFBCFFEF)    |
| YUV                                 | 233.1430, 2.8875,<br>-39.5904 |
| Hunter-Lab                          | 94.0444, -27.7415,<br>5.9812  |

# Details

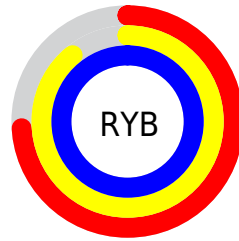
The Yxy color **88.4434, 0.2822, 0.3462** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6223, 0.3558, 0.3126**, and the grayscale version is **81.6101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.7936, 0.2756, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **85.1337, 0.2721, 0.3538**, and if you desaturate by 10%, it is **92.3447, 0.2933, 0.3391**.

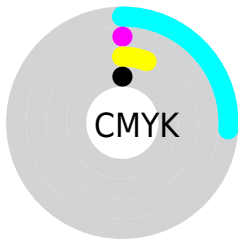
# Distribution



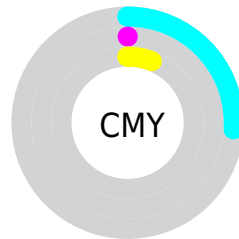
- Red (74%)
- Green (100%)
- Blue (94%)



- Red (74%)
- Yellow (89%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4434, 0.2822, 0.3462 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 88.4434, 0.2822, 0.3462 by changing the saturation by 10% instead.





 88.4434, 0.2822,  
0.3462

 88.4434, 0.2822,  
0.3462


522.9542, 0.2958,  
0.3385

 66.6903, 0.2792,  
0.3479


 145.1743, 0.2868,  
0.3436

 48.8330, 0.2755,  
0.3500


180.9209, 0.2887,  
0.3425

 34.4870, 0.2710,  
0.3526


222.1009, 0.2902,  
0.3416

 23.2680, 0.2652,  
0.3559

269.0986, 0.2916,  
0.3409

 14.7915, 0.2575,  
0.3603

322.2983, 0.2929,  
0.3402

 8.6732, 0.2469,  
0.3664

382.0846, 0.2940,

 4.5286, 0.2314,

0.3396

0.3754

448.8417, 0.2949,  
0.3390

1.9735, 0.2064,  
0.3900

0.5920, 0.0000,  
0.5048

88.4434, 0.2822,  
0.3462

88.4434, 0.2822,  
0.3462

85.1337, 0.2721,  
0.3538

92.3447, 0.2933,  
0.3391

82.3745, 0.2633,  
0.3620

96.8547, 0.3051,  
0.3327

80.1364, 0.2561,  
0.3705

99.9932, 0.3127,  
0.3290

78.3829, 0.2508,  
0.3793

■ 77.0727, 0.2474,  
0.3883

■ 76.1573, 0.2461,  
0.3973

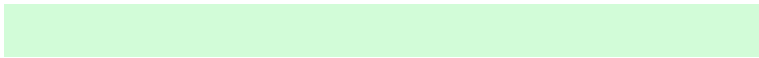
■ 75.5765, 0.2466,  
0.4062

■ 75.4108, 0.2471,  
0.4095

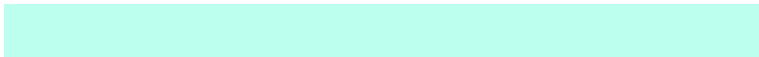
# Harmonies

## Analogous

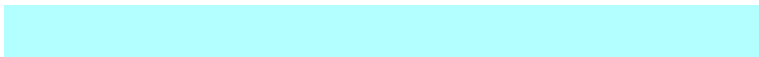
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4434, 0.3069, 0.3676



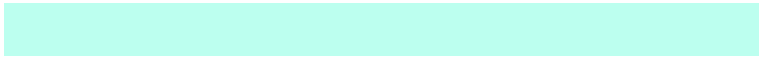
88.4434, 0.2822, 0.3462



88.4434, 0.2660, 0.3205

# Triad

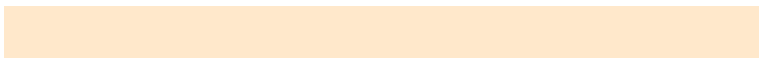
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4434, 0.2822, 0.3462



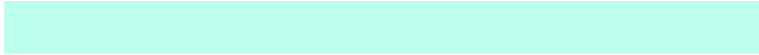
88.4434, 0.2902, 0.2850



88.4434, 0.3663, 0.3562

# Complementary

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



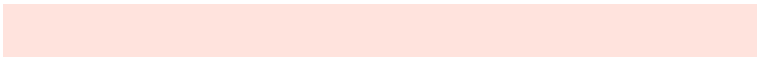
88.4434, 0.2822, 0.3462



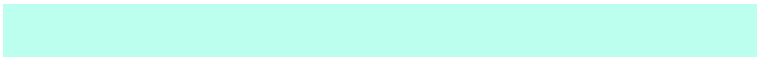
61.6223, 0.3558, 0.3126

# 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.



88.4434, 0.3617, 0.3343



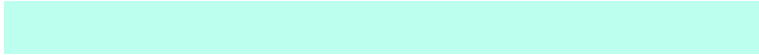
88.4434, 0.2822, 0.3462



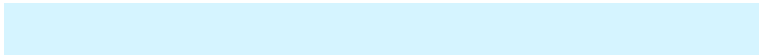
88.4434, 0.3168, 0.2944

# Square

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



88.4434, 0.2822, 0.3462



88.4434, 0.2704, 0.2862



88.4434, 0.3433, 0.3121

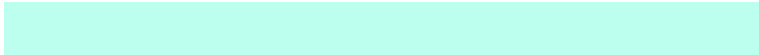


88.4434, 0.3559, 0.3723



# Rectangle

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



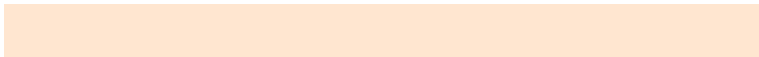
88.4434, 0.2822, 0.3462



88.4434, 0.2618, 0.3051



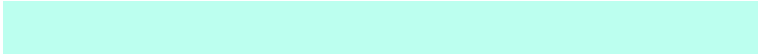
88.4434, 0.3433, 0.3121



88.4434, 0.3665, 0.3493

# Sweetspot

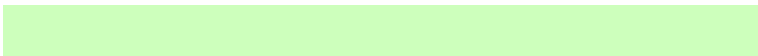
The Sweet Spot groups the original color and five complimentary colors.



88.4470, 0.2822, 0.3462



96.0241, 0.3030, 0.3338



88.0995, 0.3195, 0.4023



20.4029, 0.3012, 0.3347



0.0000, 0.0000, 0.0000

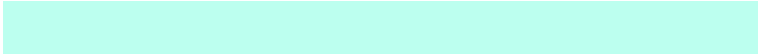


21.4041, 0.3127, 0.3290

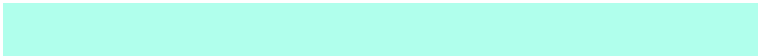


# Same Dimension

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



88.4470, 0.2822, 0.3462



86.8068, 0.2772, 0.3498



79.2230, 0.2725, 0.3108



20.4029, 0.3012, 0.3347



39.4321, 0.2467, 0.4080



3.8563, 0.2439, 0.3979



# Inverse Universe

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



61.6223, 0.3558, 0.3126



56.2240, 0.3665, 0.3095



68.4634, 0.3649, 0.3465



18.0582, 0.3257, 0.3233



11.3037, 0.5970, 0.3062

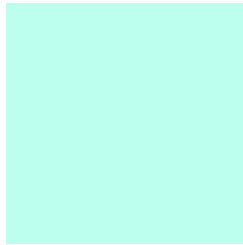


1.1168, 0.5658, 0.2890



# Previews

## White Background



This preview shows how the Yxy color 88.4434, 0.2822, 0.3462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

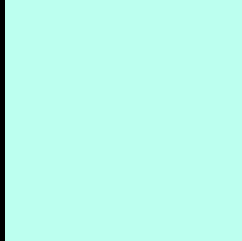
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4434, 0.2822, 0.3462 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

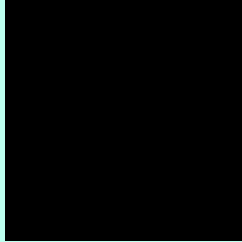
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.4434, 0.2822, 0.3462**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4434, 0.2822, 0.3462.

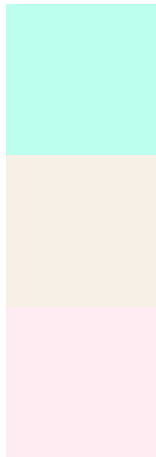


This preview shows how white text looks on a background with the Yxy color 88.4434, 0.2822, 0.3462.

# 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

88.4434, 0.2822, 0.3462

### Protanopia

87.8075, 0.3236, 0.3390

### Deuteranopia

87.7220, 0.3211, 0.3222



## Tritanopia

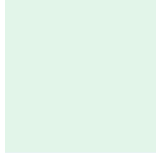
87.8970, 0.2920, 0.3188

# Trichromacy



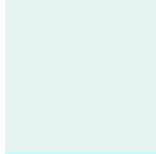
## Original Color

88.4434, 0.2822, 0.3462



## Protanomaly

87.3568, 0.3077, 0.3414



## Deuteranomaly

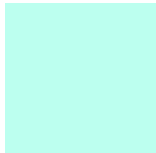
87.5009, 0.3056, 0.3300



## Tritanomaly

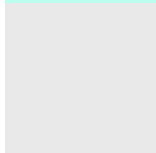
88.1462, 0.2883, 0.3289

# Monochromacy



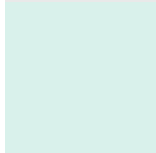
## Original Color

88.4434, 0.2822, 0.3462



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6605, 0.3008, 0.3353

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4434, 0.2822, 0.3462 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(188, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 239)  
}
```

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(188, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4434, 0.2822, 0.3462 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(188, 255, 239) }
```

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

```
.border{ border-color:rgb(188, 255, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4434, 0.2822, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 239) }
```

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

```
.background{ background-color: rgb(188,  
255, 239) }
```

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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