

# Converting Colors

$Yxy(84.6556, 0.2855, 0.3435)$

Have a look what the booklet for  
Yxy(84.6556, 0.2855, 0.3435)  
contains.

<b>Yxy(84.8259, 0.2855, 0.3442)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(84.8259, 0.2855, 0.3442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFF9EB
RGB	191, 249, 235
RGB Percent	75%, 98%, 92%
CMY	0.2509, 0.0235, 0.0784
CMYK	0.23, 0.00, 0.06, 0.02
HSL	166°, 83%, 86%
HSV	166°, 23%, 98%
XYZ	70.3597, 84.8259, 91.2581
YIQ	230.0620, -30.0740, -16.6500

# Conversions

## Conversions Part 2

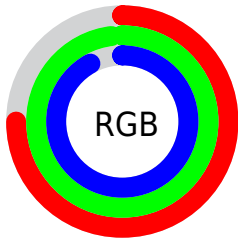
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 224, 249
Decimal	12581355
CIE Lab	93.81, -21.01, 0.76
CIE LCh	94, 21.019, 177.937
Yxy	84.8259, 0.2855, 0.3442
Android (android.graphics.Color)	4290771435 (0xFFBFF9EB)
YUV	230.0620, 2.4344, -34.2574
Hunter-Lab	92.1010, -24.8133, 5.7233

# Details

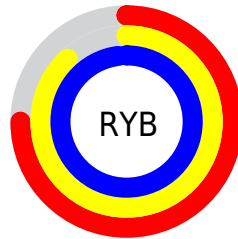
The Yxy color **84.8259, 0.2855, 0.3442** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.8195, 0.3495, 0.3144**, and the grayscale version is **79.1817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **46.1882, 0.2794, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **81.5286, 0.2751, 0.3517**, and if you desaturate by 10%, it is **88.6908, 0.2968, 0.3373**.

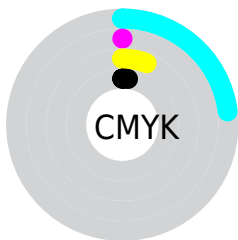
# Distribution



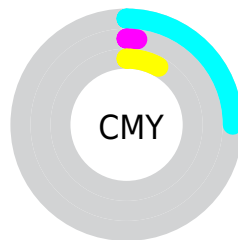
- Red (75%)
- Green (98%)
- Blue (92%)



- Red (75%)
- Yellow (88%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (2%)




- Cyan (25%)
- Magenta (2%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8259, 0.2855, 0.3442 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 84.8259, 0.2855, 0.3442 by changing the saturation by 10% instead.





 84.8259, 0.2855,  
0.3442

 84.8259, 0.2855,  
0.3442


511.0518, 0.2977,  
0.3374

 63.6975, 0.2828,  
0.3457

 140.1299, 0.2897,  
0.3419

 46.4057, 0.2795,  
0.3476


175.0743, 0.2913,  
0.3409

 32.5661, 0.2753,  
0.3499


215.3929, 0.2928,  
0.3401

 21.7943, 0.2700,  
0.3529


261.4700, 0.2940,  
0.3394

 13.7058, 0.2629,  
0.3569

313.6901, 0.2951,  
0.3388

 7.9163, 0.2530,  
0.3626

372.4375, 0.2961,

 4.0415, 0.2383,

0.3383

0.3710

438.0966, 0.2970,  
0.3378

1.6968, 0.2142,  
0.3849

0.4216, 0.0000,  
0.5093

84.8259, 0.2855,  
0.3442

84.8259, 0.2855,  
0.3442

81.5286, 0.2751,  
0.3517

88.6908, 0.2968,  
0.3373

78.7604, 0.2659,  
0.3598

93.1386, 0.3087,  
0.3309

76.4947, 0.2583,  
0.3683

96.1068, 0.3141,  
0.3251

74.6980, 0.2524,  
0.3772

96.2324, 0.3130,  
0.3233

■ 73.3329, 0.2484,  
0.3862

■ 72.3560, 0.2465,  
0.3953

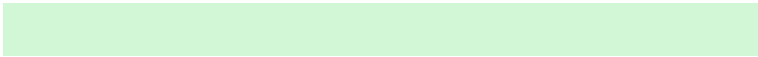
■ 71.7146, 0.2465,  
0.4043

■ 71.4204, 0.2473,  
0.4104

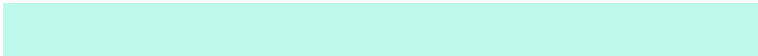
# Harmonies

## Analogous

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



84.8259, 0.3075, 0.3630



84.8259, 0.2855, 0.3442



84.8259, 0.2710, 0.3215

# Triad

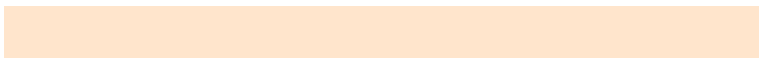
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.8259, 0.2855, 0.3442



84.8259, 0.2928, 0.2896



84.8259, 0.3603, 0.3535

# Complementary

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



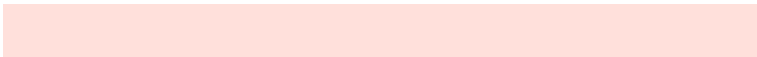
84.8259, 0.2855, 0.3442



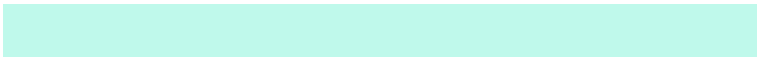
61.8195, 0.3495, 0.3144

# 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.



84.8259, 0.3563, 0.3340



84.8259, 0.2855, 0.3442



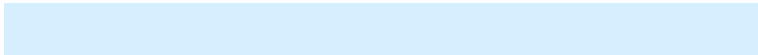
84.8259, 0.3165, 0.2981

# Square

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



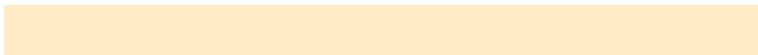
84.8259, 0.2855, 0.3442



84.8259, 0.2751, 0.2908



84.8259, 0.3400, 0.3140

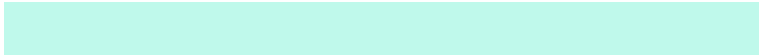


84.8259, 0.3511, 0.3676



# Rectangle

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



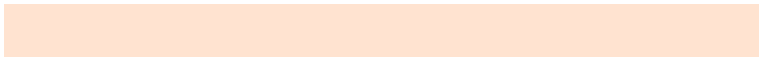
84.8259, 0.2855, 0.3442



84.8259, 0.2672, 0.3078



84.8259, 0.3400, 0.3140



84.8259, 0.3605, 0.3473

# Sweetspot

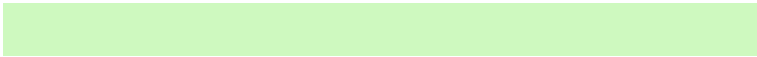
The Sweet Spot groups the original color and five complimentary colors.



84.8294, 0.2855, 0.3442



96.4958, 0.3042, 0.3332



84.5675, 0.3188, 0.3930



20.5925, 0.3035, 0.3336



0.0000, 0.0000, 0.0000

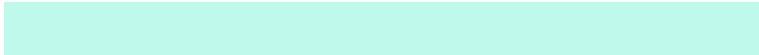


21.4041, 0.3127, 0.3290

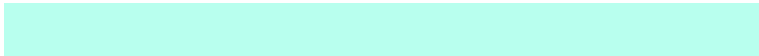


# Same Dimension

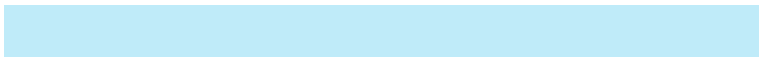
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8294, 0.2855, 0.3442



87.8196, 0.2804, 0.3477



77.0530, 0.2769, 0.3131



19.5327, 0.3013, 0.3348



38.2531, 0.2469, 0.4089



3.5594, 0.2439, 0.3981



# Inverse Universe

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



61.8195, 0.3495, 0.3144



59.5848, 0.3595, 0.3112



67.8122, 0.3577, 0.3444



17.2939, 0.3256, 0.3233



10.9744, 0.5960, 0.3057

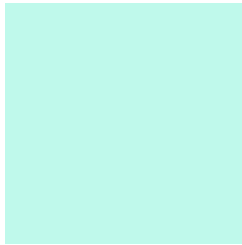


1.0323, 0.5630, 0.2875



# Previews

## White Background



This preview shows how the Yxy color 84.8259, 0.2855, 0.3442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

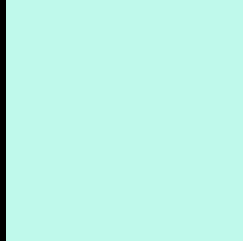
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.8259, 0.2855, 0.3442 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

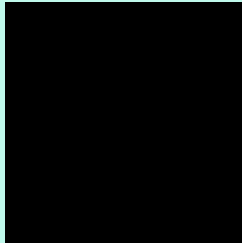
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.8259, 0.2855, 0.3442**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.8259, 0.2855, 0.3442.



This preview shows how white text looks on a background with the Yxy color 84.8259, 0.2855, 0.3442.

# 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





## Tritanopia

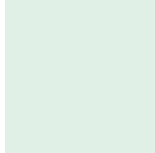
84.7213, 0.2865, 0.3154

# Trichromacy



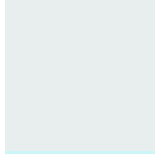
## Original Color

84.8259, 0.2855, 0.3442



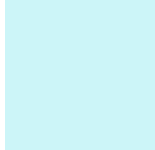
## Protanomaly

83.8806, 0.3083, 0.3395



## Deuteranomaly

83.8972, 0.3088, 0.3280



## Tritanomaly

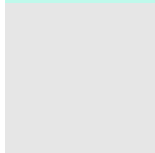
84.9195, 0.2858, 0.3258

# Monochromacy



## Original Color

84.8259, 0.2855, 0.3442



## Achromatopsia

79.1298, 0.3127, 0.3290



## Achromatomaly

80.9935, 0.3020, 0.3343

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.8259, 0.2855, 0.3442 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(191, 249, 235)` looks like.

```
.text, #text, p{  
    color:rgb(191, 249, 235)  
}
```

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(191, 249, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 249, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 84.8259, 0.2855, 0.3442 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(191, 249, 235) }
```

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

```
.border{ border-color:rgb(191, 249, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 249, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 249, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 249, 235); box-shadow:4px 4px 4px 4px rgb(191, 249, 235) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.8259, 0.2855, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 249, 235) }
```

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

```
.background{ background-color: rgb(191,  
249, 235) }
```

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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