

# Converting Colors

$Yxy(97.1956, 0.2849, 0.3673)$

Have a look what the booklet for  
Yxy(97.1956, 0.2849, 0.3673)  
contains.

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# Color

**Yxy(87.8423, 0.2841, 0.3530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFFE9
RGB	186, 255, 233
RGB Percent	73%, 100%, 91%
CMY	0.2710, 0.0000, 0.0863
CMYK	0.27, 0.00, 0.09, 0.00
HSL	161°, 100%, 86%
HSV	161°, 27%, 100%
XYZ	70.6969, 87.8423, 90.3059
YIQ	231.8610, -34.0620, -21.4700

# Conversions

## Conversions Part 2

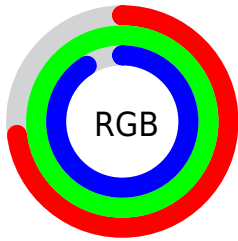
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 227, 255
Decimal	12255209
CIELab	95.09, -25.83, 3.63
CIELCh	95, 26.083, 171.994
Yxy	87.8423, 0.2841, 0.3530
Android (android.graphics.Color)	4290445289 (0xFFBAFFE9)
YUV	231.8610, 0.5615, -40.2201
Hunter-Lab	93.7242, -29.3735, 8.4794

# Details

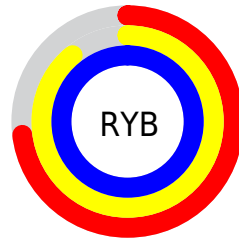
The Yxy color **87.8423, 0.2841, 0.3530** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.8852, 0.3530, 0.3064**, and the grayscale version is **80.5755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **48.3878, 0.2780, 0.3589** is the 20% darker color. If you saturate the color by 10%, you get **84.4633, 0.2749, 0.3634**, and if you desaturate by 10%, it is **91.7852, 0.2942, 0.3434**.

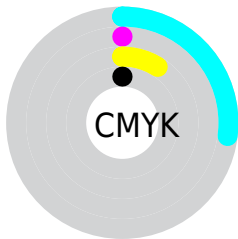
# Distribution



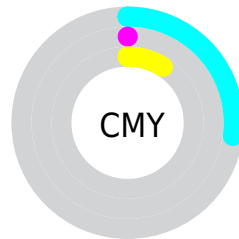
- Red (73%)
- Green (100%)
- Blue (91%)



- Red (73%)
- Yellow (89%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8423, 0.2841, 0.3530 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 87.8423, 0.2841, 0.3530 by changing the saturation by 10% instead.




 87.8423, 0.2841,  
0.3530

 87.8423, 0.2841,  
0.3530


520.9867, 0.2970,  
0.3421

 66.1925, 0.2812,  
0.3554


 144.3376, 0.2885,  
0.3493

 48.4287, 0.2778,  
0.3584

179.9518, 0.2902,  
0.3478

 34.1665, 0.2734,  
0.3622

220.9897, 0.2917,  
0.3465

 23.0215, 0.2679,  
0.3670

267.8355, 0.2930,  
0.3454

 14.6094, 0.2605,  
0.3735

320.8737, 0.2942,  
0.3445

 8.5457, 0.2502,  
0.3827

380.4887, 0.2952,

 4.4461, 0.2349,

0.3436

0.3965

447.0649, 0.2961,  
0.3428

1.9261, 0.2099,  
0.4198

0.5640, 0.0000,  
0.6103

87.8423, 0.2841,  
0.3530

87.8423, 0.2841,  
0.3530

84.4633, 0.2749,  
0.3634

91.7852, 0.2942,  
0.3434

81.6584, 0.2670,  
0.3745

96.3612, 0.3049,  
0.3347

79.3807, 0.2607,  
0.3862

100.0000, 0.3127,  
0.3290

77.5930, 0.2561,  
0.3984

■ 76.2533, 0.2536,  
0.4107

■ 75.3122, 0.2531,  
0.4231

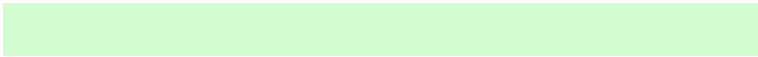
■ 74.7067, 0.2546,  
0.4352

■ 74.5663, 0.2552,  
0.4387

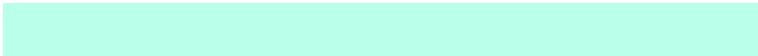
# Harmonies

## Analogous

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



87.8423, 0.3120, 0.3745



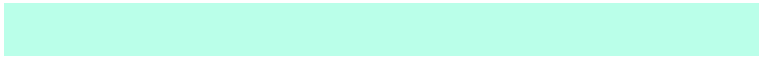
87.8423, 0.2841, 0.3530



87.8423, 0.2644, 0.3249

# Triad

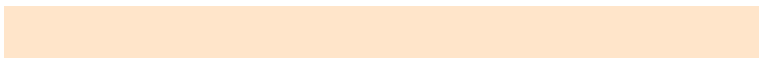
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8423, 0.2841, 0.3530



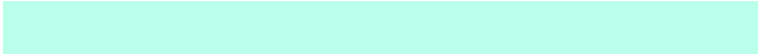
87.8423, 0.2832, 0.2805



87.8423, 0.3716, 0.3541

# Complementary

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



87.8423, 0.2841, 0.3530



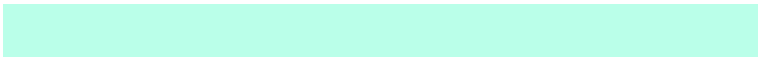
60.8852, 0.3530, 0.3064

# 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.



87.8423, 0.3634, 0.3298



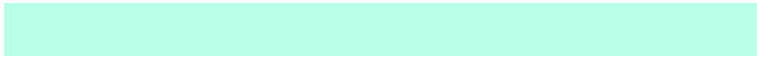
87.8423, 0.2841, 0.3530



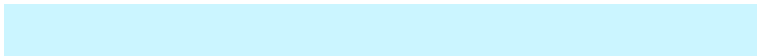
87.8423, 0.3112, 0.2886

# Square

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



87.8423, 0.2841, 0.3530



87.8423, 0.2639, 0.2841



87.8423, 0.3408, 0.3063

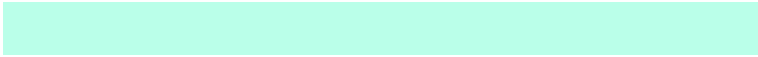


87.8423, 0.3631, 0.3735



# Rectangle

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



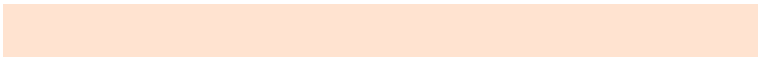
87.8423, 0.2841, 0.3530



87.8423, 0.2580, 0.3073



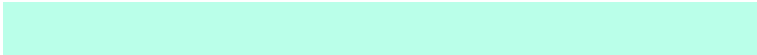
87.8423, 0.3408, 0.3063



87.8423, 0.3707, 0.3462

# Sweetspot

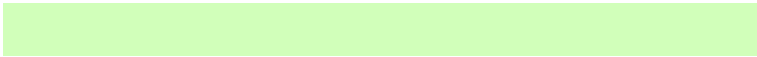
The Sweet Spot groups the original color and five complimentary colors.



87.8287, 0.2841, 0.3530



95.9226, 0.3039, 0.3354



88.6064, 0.3233, 0.4041



20.3772, 0.3023, 0.3367



0.0000, 0.0000, 0.0000

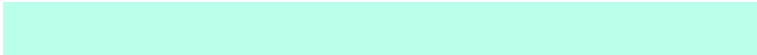


21.4041, 0.3127, 0.3290

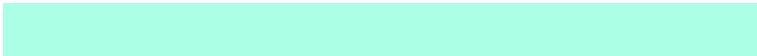


# Same Dimension

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



87.8287, 0.2841, 0.3530



85.7730, 0.2786, 0.3590



82.0372, 0.2718, 0.3165



20.3772, 0.3023, 0.3367



38.9909, 0.2546, 0.4367



3.8163, 0.2508, 0.4229



# Inverse Universe

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



60.8852, 0.3530, 0.3064



54.3908, 0.3651, 0.3012



64.9225, 0.3686, 0.3411



18.0824, 0.3244, 0.3215



11.4450, 0.5701, 0.2915

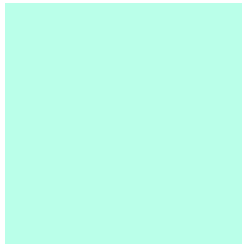


1.1333, 0.5382, 0.2738



# Previews

## White Background



This preview shows how the Yxy color 87.8423, 0.2841, 0.3530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

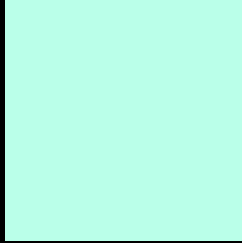
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.8423, 0.2841, 0.3530 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

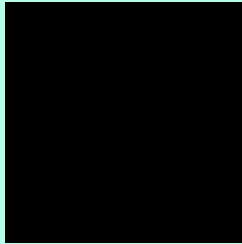
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

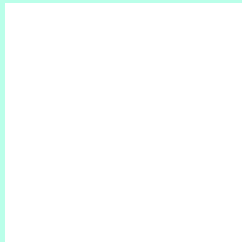
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.8423, 0.2841, 0.3530**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.8423, 0.2841, 0.3530.

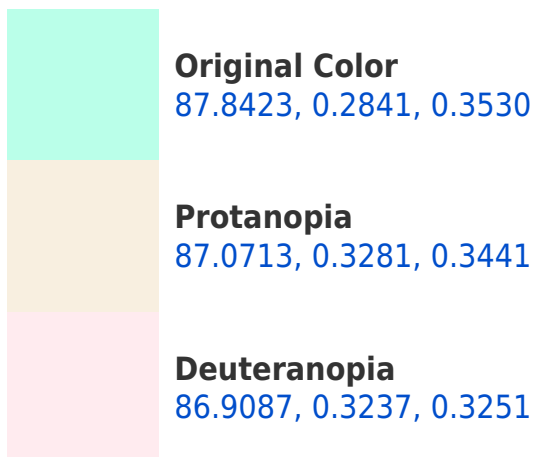


This preview shows how white text looks on a background with the Yxy color 87.8423, 0.2841, 0.3530.

# 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

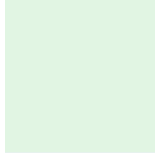
87.5849, 0.2908, 0.3187

# Trichromacy



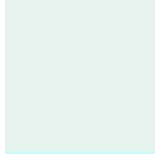
## Original Color

87.8423, 0.2841, 0.3530



## Protanomaly

86.8584, 0.3106, 0.3477



## Deuteranomaly

86.4417, 0.3079, 0.3341



## Tritanomaly

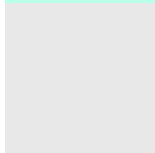
87.7322, 0.2883, 0.3310

# Monochromacy



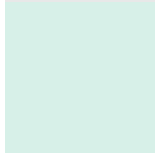
## Original Color

87.8423, 0.2841, 0.3530



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.5934, 0.3013, 0.3375

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.8423, 0.2841, 0.3530 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(186, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 233)  
}
```

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(186, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 87.8423, 0.2841, 0.3530 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(186, 255, 233) }
```

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

```
.border{ border-color:rgb(186, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.8423, 0.2841, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 233) }
```

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

```
.background{ background-color: rgb(186,  
255, 233) }
```

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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