

# Converting Colors

Yxy(88.4349, 0.2960, 0.3661)

Have a look what the booklet for  
Yxy(88.4349, 0.2960, 0.3661)  
contains.

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# Color

**Yxy(88.4762, 0.2961, 0.3660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4FFDD
RGB	196, 255, 221
RGB Percent	77%, 100%, 87%
CMY	0.2312, 0.0000, 0.1335
CMYK	0.23, 0.00, 0.13, 0.00
HSL	145°, 100%, 88%
HSV	145°, 23%, 100%
XYZ	71.5787, 88.4762, 81.6834
YIQ	233.4830, -24.2500, -23.0820

# Conversions

## Conversions Part 2

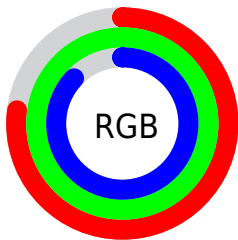
Format	Color
<a href="#">RYB</a>	<a href="#">196, 237, 255</a>
Decimal	<a href="#">12910557</a>
CIELab	<a href="#">95.36, -25.10, 10.27</a>
CIELCh	<a href="#">95, 27.123, 157.741</a>
Yxy	<a href="#">88.4762, 0.2961, 0.3660</a>
Android (android.graphics.Color)	<a href="#">4291100637 (0xFFC4FFDD)</a>
YUV	<a href="#">233.4830, -6.1541, -32.8726</a>
Hunter-Lab	<a href="#">94.0618, -28.7740, 14.3558</a>

# Details

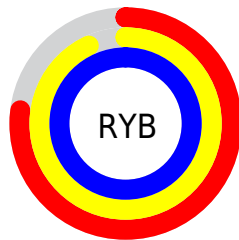
The Yxy color **88.4762, 0.2961, 0.3660** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.4744, 0.3338, 0.2947**, and the grayscale version is **81.9343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.8041, 0.2920, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **84.5940, 0.2895, 0.3850**, and if you desaturate by 10%, it is **93.0144, 0.3031, 0.3488**.

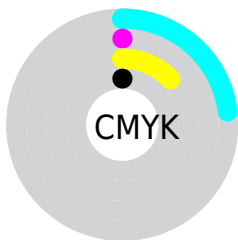
# Distribution



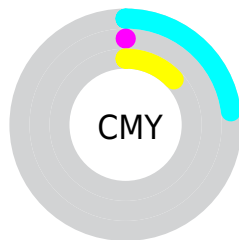
- Red (77%)
- Green (100%)
- Blue (87%)



- Red (77%)
- Yellow (93%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.4762, 0.2961, 0.3660 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 88.4762, 0.2961, 0.3660 by changing the saturation by 10% instead.




 88.4762, 0.2961,  
0.3660

 88.4762, 0.2961,  
0.3660

523.0614, 0.3038,  
0.3490

 66.7175, 0.2944,  
0.3699


145.2199, 0.2987,  
0.3601

 48.8551, 0.2922,  
0.3746


180.9738, 0.2998,  
0.3578

 34.5045, 0.2895,  
0.3806


222.1615, 0.3007,  
0.3559

 23.2815, 0.2860,  
0.3884

269.1674, 0.3014,  
0.3541

 14.8015, 0.2812,  
0.3990

322.3760, 0.3021,  
0.3526

 8.6802, 0.2744,  
0.4142

382.1716, 0.3027,

 4.5332, 0.2638,

0.3513

0.4375

448.9386, 0.3033,  
0.3501

1.9761, 0.2453,  
0.4780

0.5935, 0.0000,  
1.0000

88.4762, 0.2961,  
0.3660

88.4762, 0.2961,  
0.3660

84.5940, 0.2895,  
0.3850

93.0144, 0.3031,  
0.3488

81.3277, 0.2838,  
0.4056

98.2285, 0.3104,  
0.3334

78.6464, 0.2792,  
0.4275

100.0000, 0.3127,  
0.3290

76.5131, 0.2760,  
0.4502

■ 74.8862, 0.2747,  
0.4731

■ 73.7178, 0.2753,  
0.4954

■ 72.9502, 0.2778,  
0.5161

■ 72.5982, 0.2804,  
0.5293

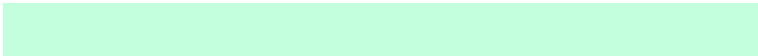
# Harmonies

## Analogous

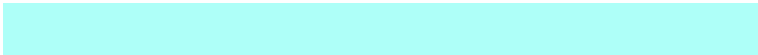
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4762, 0.3266, 0.3819



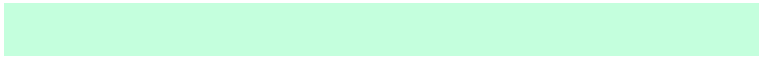
88.4762, 0.2961, 0.3660



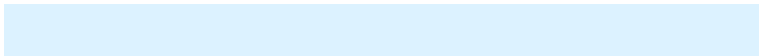
88.4762, 0.2709, 0.3388

# Triad

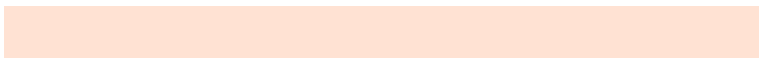
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4762, 0.2961, 0.3660



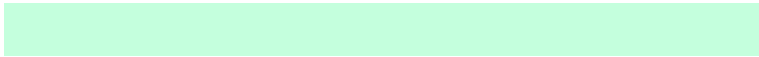
88.4762, 0.2712, 0.2789



88.4762, 0.3719, 0.3432

# Complementary

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



88.4762, 0.2961, 0.3660



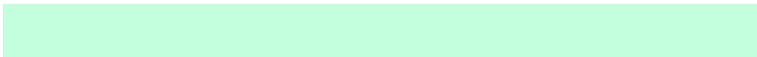
66.4744, 0.3338, 0.2947

# 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.



88.4762, 0.3556, 0.3178



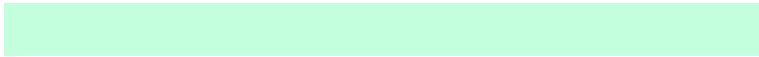
88.4762, 0.2961, 0.3660



88.4762, 0.2966, 0.2818

# Square

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



88.4762, 0.2961, 0.3660



88.4762, 0.2571, 0.2886



88.4762, 0.3276, 0.2958

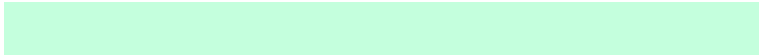


88.4762, 0.3713, 0.3666

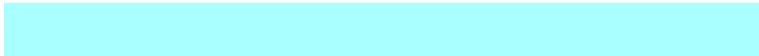


# Rectangle

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



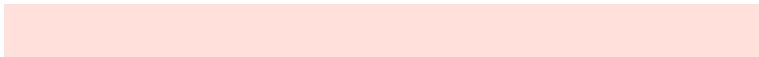
88.4762, 0.2961, 0.3660



88.4762, 0.2601, 0.3192



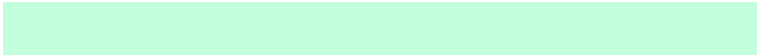
88.4762, 0.3276, 0.2958



88.4762, 0.3682, 0.3347

# Sweetspot

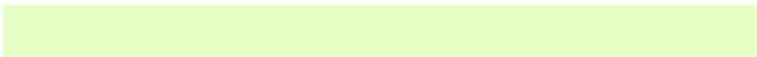
The Sweet Spot groups the original color and five complimentary colors.



88.4792, 0.2961, 0.3660



96.1243, 0.3076, 0.3392



92.4019, 0.3314, 0.3901



20.5065, 0.3072, 0.3401



0.0000, 0.0000, 0.0000

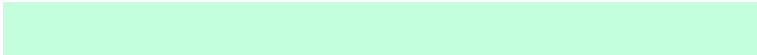


21.4041, 0.3127, 0.3290

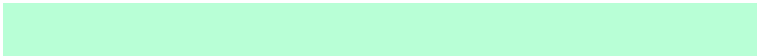


# Same Dimension

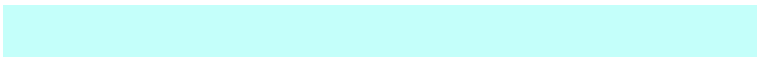
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4792, 0.2961, 0.3660



86.5049, 0.2928, 0.3750



90.1684, 0.2809, 0.3341



20.2956, 0.3058, 0.3430



37.9625, 0.2795, 0.5262



3.7175, 0.2733, 0.5038



# Inverse Universe

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



66.4744, 0.3338, 0.2947



60.8014, 0.3394, 0.2872



64.9717, 0.3567, 0.3241



18.1629, 0.3203, 0.3154



12.2435, 0.4638, 0.2329

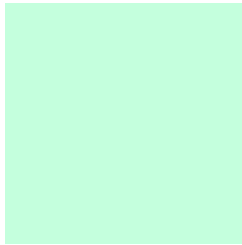


1.2140, 0.4430, 0.2214



# Previews

## White Background



This preview shows how the Yxy color 88.4762, 0.2961, 0.3660 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

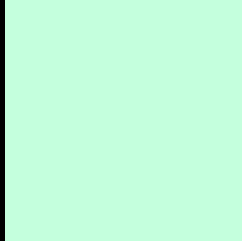
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.4762, 0.2961, 0.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

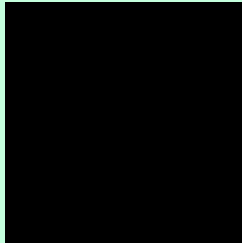
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

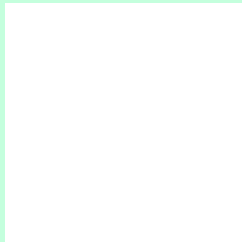
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.4762, 0.2961, 0.3660**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.4762, 0.2961, 0.3660.

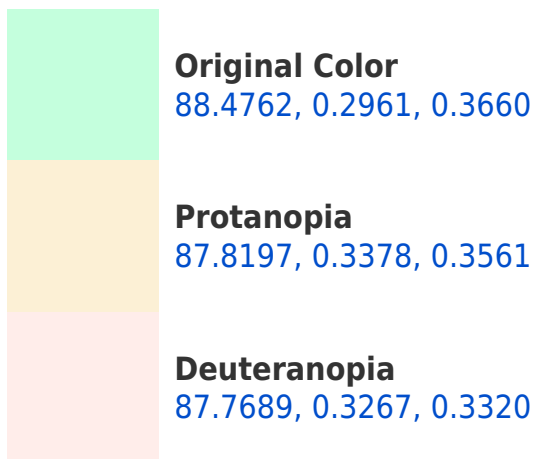


This preview shows how white text looks on a background with the Yxy color 88.4762, 0.2961, 0.3660.

# 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

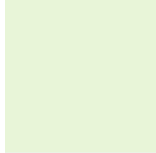
88.3721, 0.2938, 0.3188

# Trichromacy



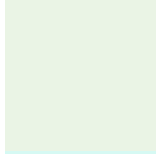
## Original Color

88.4762, 0.2961, 0.3660



## Protanomaly

87.4185, 0.3217, 0.3591



## Deuteranomaly

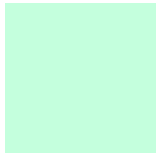
87.8509, 0.3152, 0.3443



## Tritanomaly

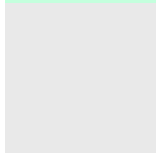
88.5186, 0.2945, 0.3352

# Monochromacy



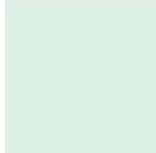
## Original Color

88.4762, 0.2961, 0.3660



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.7834, 0.3063, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.4762, 0.2961, 0.3660 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(196, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 221)  
}
```

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(196, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 88.4762, 0.2961, 0.3660 is called "border". The border property can be set on classes, ids or directly on the HTML element.

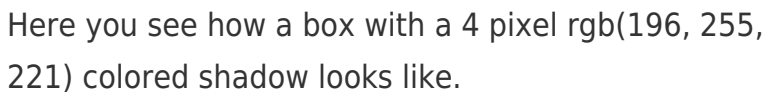
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 255, 221) }
```

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

```
.border{ border-color:rgb(196, 255, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 255, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 255, 221); box-shadow:4px 4px 4px 4px rgb(196, 255, 221) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.4762, 0.2961, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 221) }
```

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

```
.background{ background-color: rgb(196,  
255, 221) }
```

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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