

# Converting Colors

$Y_{xy}(100.0000, 0.2987, 0.3963)$

Have a look what the booklet for  
Yxy(100.0000, 0.2987, 0.3963)  
contains.

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# Color

**Yxy(87.2995, 0.2985, 0.3777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFFFD3
RGB	191, 255, 211
RGB Percent	75%, 100%, 83%
CMY	0.2512, 0.0000, 0.1725
CMYK	0.25, 0.00, 0.17, 0.00
HSL	139°, 100%, 87%
HSV	139°, 25%, 100%
XYZ	68.9936, 87.2995, 74.8414
YIQ	230.8480, -24.0200, -27.2520

# Conversions

## Conversions Part 2

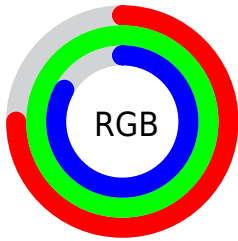
Format	Color
<a href="#">RYB</a>	<a href="#">191, 240, 255</a>
Decimal	<a href="#">12582867</a>
CIELab	<a href="#">94.87, -28.51, 14.64</a>
CIELCh	<a href="#">95, 32.048, 152.815</a>
Yxy	<a href="#">87.2995, 0.2985, 0.3777</a>
Android (android.graphics.Color)	<a href="#">4290772947 (0xFFBFFFD3)</a>
YUV	<a href="#">230.8480, -9.7851, -34.9467</a>
Hunter-Lab	<a href="#">93.4342, -31.7019, 17.9123</a>

# Details

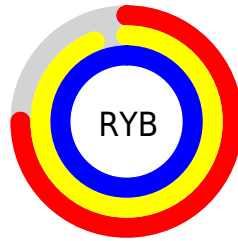
The Yxy color **87.2995, 0.2985, 0.3777** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4943, 0.3306, 0.2849**, and the grayscale version is **79.8669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **48.0227, 0.2951, 0.3899** is the 20% darker color. If you saturate the color by 10%, you get **83.4394, 0.2934, 0.4009**, and if you desaturate by 10%, it is **91.8176, 0.3041, 0.3566**.

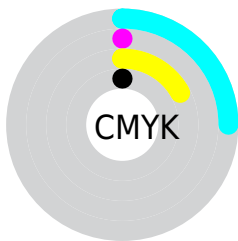
# Distribution



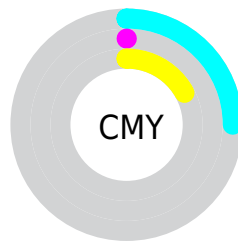
- Red (75%)
- Green (100%)
- Blue (83%)



- Red (75%)
- Yellow (94%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2995, 0.2985, 0.3777 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 87.2995, 0.2985, 0.3777 by changing the saturation by 10% instead.




 87.2995, 0.2985,  
0.3777

 87.2995, 0.2985,  
0.3777

519.2065, 0.3053,  
0.3551

 65.7431, 0.2969,  
0.3829


 143.5815, 0.3009,  
0.3698

 48.0639, 0.2949,  
0.3893


179.0759, 0.3018,  
0.3668

 33.8775, 0.2924,  
0.3974


219.9851, 0.3026,  
0.3642

 22.7995, 0.2890,  
0.4080

266.6934, 0.3033,  
0.3619

 14.4455, 0.2844,  
0.4225

319.5854, 0.3038,  
0.3599

 8.4312, 0.2775,  
0.4434

379.0453, 0.3044,

 4.3721, 0.2664,

0.3581

0.4760

445.4575, 0.3048,  
0.3565

■ 1.8838, 0.2467,  
0.5351

■ 0.5386, 0.0000,  
1.0000

■ 87.2995, 0.2985,  
0.3777

■ 87.2995, 0.2985,  
0.3777

■ 83.4394, 0.2934,  
0.4009

■ 91.8176, 0.3041,  
0.3566

■ 80.2243, 0.2889,  
0.4260

■ 97.0441, 0.3098,  
0.3378

■ 77.6117, 0.2855,  
0.4525

100.0000, 0.3127,  
0.3290

■ 75.5624, 0.2834,  
0.4793

■ 74.0321, 0.2830,  
0.5055

■ 72.9696, 0.2842,  
0.5297

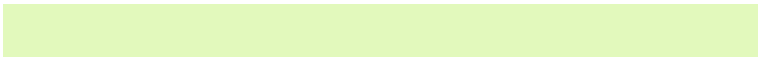
■ 72.3124, 0.2871,  
0.5508

■ 72.0967, 0.2888,  
0.5597

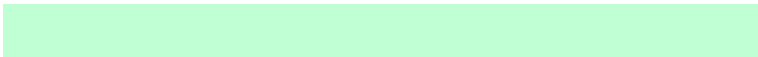
# Harmonies

## Analogous

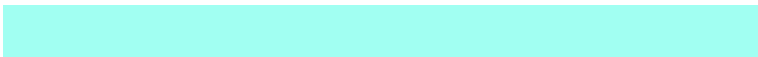
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2995, 0.3347, 0.3936



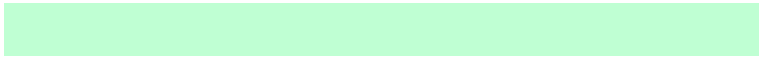
87.2995, 0.2985, 0.3777



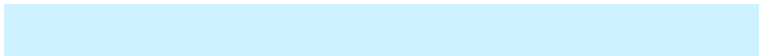
87.2995, 0.2673, 0.3463

# Triad

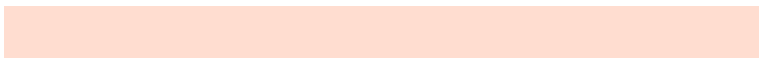
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2995, 0.2985, 0.3777



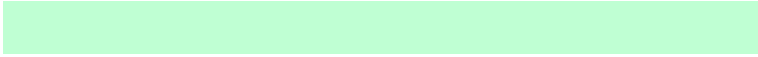
87.2995, 0.2600, 0.2708



87.2995, 0.3813, 0.3403

# Complementary

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



87.2995, 0.2985, 0.3777



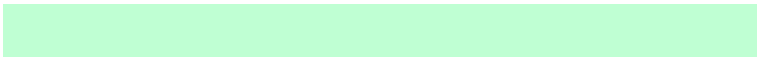
64.4943, 0.3306, 0.2849

# 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.



87.2995, 0.3589, 0.3109



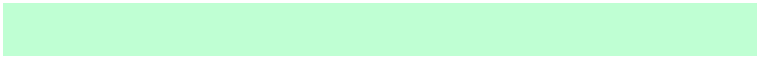
87.2995, 0.2985, 0.3777



87.2995, 0.2879, 0.2721

# Square

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



87.2995, 0.2985, 0.3777



87.2995, 0.2461, 0.2843



87.2995, 0.3241, 0.2866

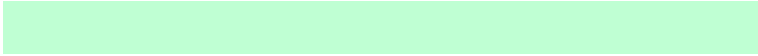


87.2995, 0.3838, 0.3688



# Rectangle

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



87.2995, 0.2985, 0.3777



87.2995, 0.2532, 0.3226



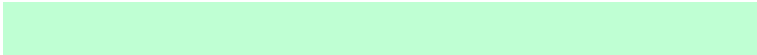
87.2995, 0.3241, 0.2866



87.2995, 0.3758, 0.3303

# Sweetspot

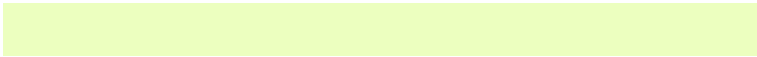
The Sweet Spot groups the original color and five complimentary colors.



87.2929, 0.2985, 0.3777



95.4642, 0.3081, 0.3430



93.0753, 0.3379, 0.3948



20.2618, 0.3073, 0.3458



0.0000, 0.0000, 0.0000

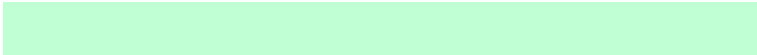


21.4041, 0.3127, 0.3290

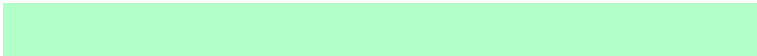


# Same Dimension

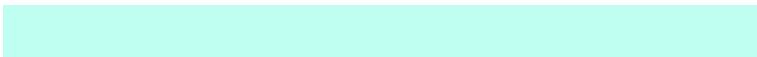
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2929, 0.2985, 0.3777



85.3298, 0.2959, 0.3888



89.0119, 0.2821, 0.3427



20.2618, 0.3073, 0.3458



37.6957, 0.2880, 0.5568



3.6890, 0.2818, 0.5344



# Inverse Universe

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



64.4943, 0.3306, 0.2849



59.0725, 0.3350, 0.2760



62.8472, 0.3555, 0.3159



18.1979, 0.3186, 0.3128



12.7577, 0.4198, 0.2086

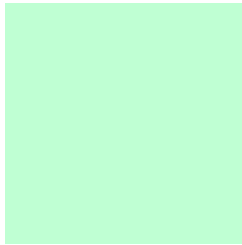


1.2619, 0.4057, 0.2009



# Previews

## White Background



This preview shows how the Yxy color 87.2995, 0.2985, 0.3777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

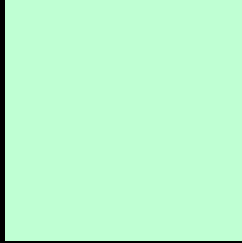
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2995, 0.2985, 0.3777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

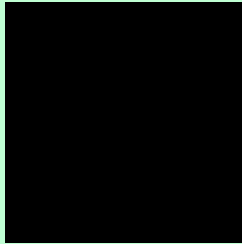
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.2995, 0.2985, 0.3777**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2995, 0.2985, 0.3777.

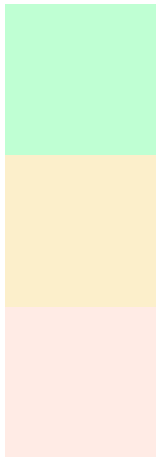


This preview shows how white text looks on a background with the Yxy color 87.2995, 0.2985, 0.3777.

# 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

87.2995, 0.2985, 0.3777

### Protanopia

86.7402, 0.3444, 0.3653

### Deuteranopia

86.3338, 0.3302, 0.3350



## Tritanopia

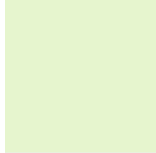
87.1370, 0.2914, 0.3177

# Trichromacy



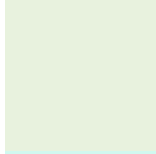
## Original Color

87.2995, 0.2985, 0.3777



## Protanomaly

86.5840, 0.3265, 0.3699



## Deuteranomaly

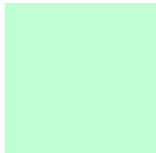
85.9340, 0.3183, 0.3497



## Tritanomaly

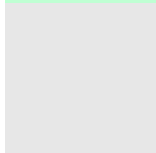
86.9221, 0.2937, 0.3384

# Monochromacy



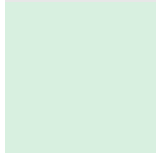
## Original Color

87.2995, 0.2985, 0.3777



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

82.3009, 0.3067, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2995, 0.2985, 0.3777 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, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 211)  
}
```

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, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2995, 0.2985, 0.3777 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, 255, 211) }
```

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

```
.border{ border-color:rgb(191, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2995, 0.2985, 0.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 211) }
```

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

```
.background{ background-color: rgb(191,  
255, 211) }
```

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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