

Converting Colors

$Y_{xy}(109.7783, 0.2944, 0.4017)$

Have a look what the booklet for
Yxy(109.7783, 0.2944, 0.4017)
contains.

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Color

Yxy(87.2733, 0.2931, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFDA
RGB	188, 255, 218
RGB Percent	74%, 100%, 85%
CMY	0.2627, 0.0000, 0.1452
CMYK	0.26, 0.00, 0.15, 0.00
HSL	147°, 100%, 87%
HSV	147°, 26%, 100%
XYZ	69.1533, 87.2733, 79.5110
YIQ	230.7490, -28.0550, -25.7110

Conversions

Conversions Part 2

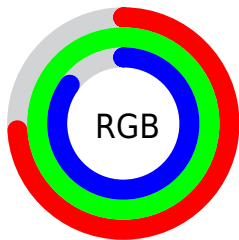
Format	Color
R _{YB}	188, 234, 255
Decimal	12386266
CIE _{Lab}	94.85, -28.11, 11.03
CIE _{LCh}	95, 30.199, 158.586
Y _{xy}	87.2733, 0.2931, 0.3699
Android (android.graphics.Color)	4290576346 (0xFFBCFFDA)
YUV	230.7490, -6.2853, -37.4909
Hunter-Lab	93.4202, -31.3526, 14.9317

Details

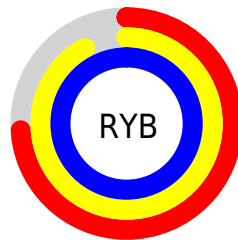
The Yxy color **87.2733, 0.2931, 0.3699** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.6713, 0.3387, 0.2915**, and the grayscale version is **79.7785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.0191, 0.2884, 0.3796** is the 20% darker color. If you saturate the color by 10%, you get **83.6092, 0.2865, 0.3885**, and if you desaturate by 10%, it is **91.5734, 0.3003, 0.3529**.

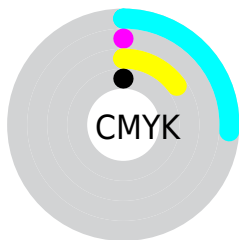
Distribution



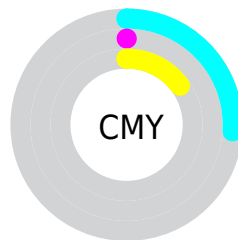
- Red (74%)
- Green (100%)
- Blue (85%)



- Red (74%)
- Yellow (92%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2733, 0.2931, 0.3699 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 87.2733, 0.2931, 0.3699 by changing the saturation by 10% instead.


 87.2733, 0.2931,
0.3699

 87.2733, 0.2931,
0.3699


519.1205, 0.3022,
0.3510

 65.7214, 0.2910,
0.3742


 143.5450, 0.2962,
0.3633

 48.0463, 0.2885,
0.3795

179.0336, 0.2975,
0.3608

 33.8635, 0.2853,
0.3863

219.9366, 0.2985,
0.3586

 22.7888, 0.2811,
0.3951

266.6383, 0.2994,
0.3567

 14.4376, 0.2753,
0.4070

319.5231, 0.3002,
0.3550

 8.4257, 0.2671,
0.4242

378.9755, 0.3010,

 4.3685, 0.2544,

0.3535

0.4510

445.3798, 0.3016,
0.3522

■ 1.8818, 0.2321,
0.4979

■ 0.5374, 0.0000,
1.0000

■ 87.2733, 0.2931,
0.3699

■ 87.2733, 0.2931,
0.3699

■ 83.6092, 0.2865,
0.3885

■ 91.5734, 0.3003,
0.3529


■ 80.5479, 0.2808,
0.4086

■ 96.5372, 0.3079,
0.3377


■ 78.0553, 0.2764,
0.4299


100.0000, 0.3127,
0.3290

■ 76.0933, 0.2736,
0.4518

 74.6190, 0.2727,
0.4737

 73.5822, 0.2738,
0.4949

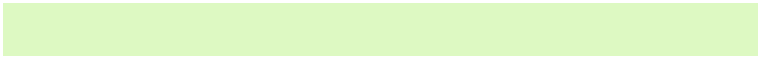
 72.9207, 0.2768,
0.5146

 72.7360, 0.2782,
0.5215

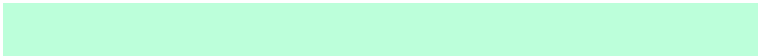
Harmonies

Analogous

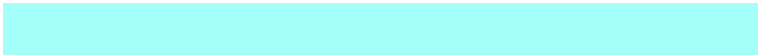
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2733, 0.3271, 0.3883



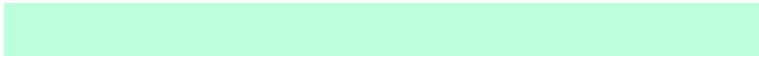
87.2733, 0.2931, 0.3699



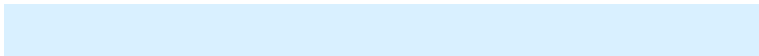
87.2733, 0.2654, 0.3389

Triad

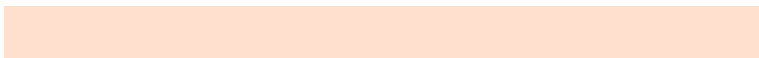
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2733, 0.2931, 0.3699



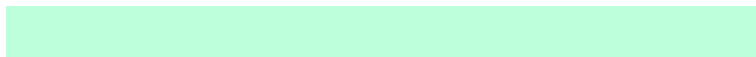
87.2733, 0.2671, 0.2732



87.2733, 0.3793, 0.3453

Complementary

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



87.2733, 0.2931, 0.3699



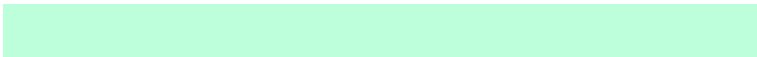
62.6713, 0.3387, 0.2915

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.



87.2733, 0.3615, 0.3171



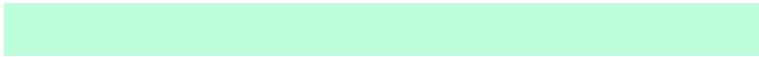
87.2733, 0.2931, 0.3699



87.2733, 0.2955, 0.2769

Square

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



87.2733, 0.2931, 0.3699



87.2733, 0.2511, 0.2833



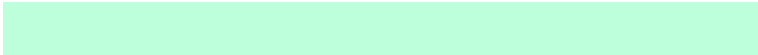
87.2733, 0.3302, 0.2927



87.2733, 0.3779, 0.3713

Rectangle

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



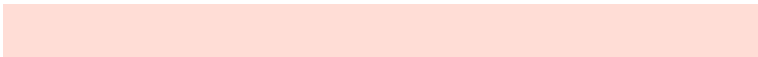
87.2733, 0.2931, 0.3699



87.2733, 0.2538, 0.3169



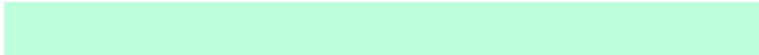
87.2733, 0.3302, 0.2927



87.2733, 0.3753, 0.3358

Sweetspot

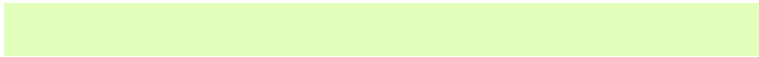
The Sweet Spot groups the original color and five complimentary colors.



87.2738, 0.2931, 0.3699



95.6290, 0.3066, 0.3402



91.3159, 0.3332, 0.3993



20.3032, 0.3054, 0.3424



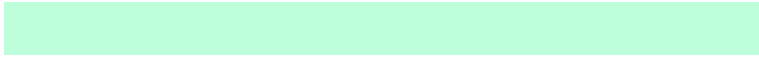
0.0000, 0.0000, 0.0000



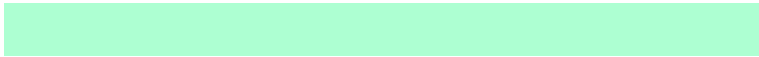
21.4041, 0.3127, 0.3290

Same Dimension

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



87.2738, 0.2931, 0.3699



85.0978, 0.2892, 0.3804



89.1489, 0.2764, 0.3337



20.3032, 0.3054, 0.3424



38.0352, 0.2774, 0.5185



3.7250, 0.2712, 0.4965

Inverse Universe

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



62.6713, 0.3387, 0.2915



56.3892, 0.3461, 0.2829



61.0599, 0.3656, 0.3245



18.1552, 0.3207, 0.3159



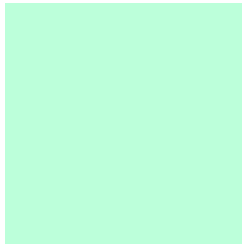
12.1435, 0.4741, 0.2385



1.2044, 0.4518, 0.2262

Previews

White Background



This preview shows how the Yxy color 87.2733, 0.2931, 0.3699 looks on a white background.

Color Contrast Check

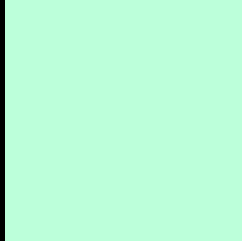
Large Text (above 18pt) WCAG AA × Fail

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 87.2733, 0.2931, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

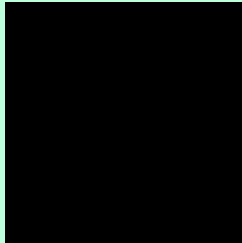
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

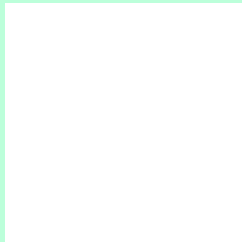
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2733, 0.2931, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 87.2733, 0.2931, 0.3699.

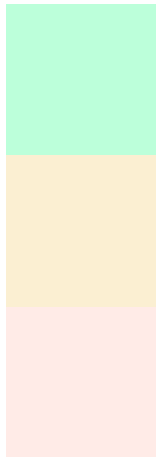


This preview shows how white text looks on a background with the Yxy color 87.2733, 0.2931, 0.3699.

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

87.2733, 0.2931, 0.3699

Protanopia

86.8954, 0.3392, 0.3582

Deuteranopia

86.4462, 0.3289, 0.3330



Tritanopia

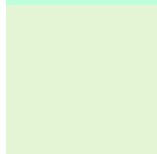
86.8268, 0.2902, 0.3177

Trichromacy



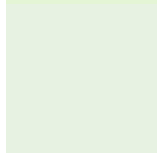
Original Color

87.2733, 0.2931, 0.3699



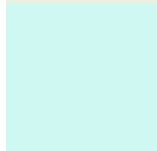
Protanomaly

86.6029, 0.3209, 0.3625



Deuteranomaly

85.9842, 0.3152, 0.3455



Tritanomaly

86.8110, 0.2909, 0.3353

Monochromacy



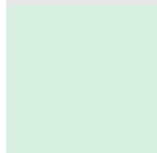
Original Color

87.2733, 0.2931, 0.3699



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.2582, 0.3049, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2733, 0.2931, 0.3699 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 87.2733, 0.2931, 0.3699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

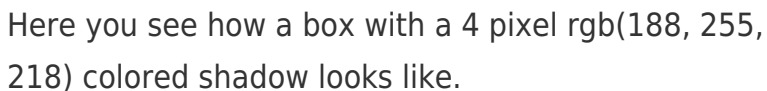
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 255, 218) }
```

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

```
.border{ border-color:rgb(188, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2733, 0.2931, 0.3699 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, 218) }
```

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

```
.background{ background-color: rgb(188,  
255, 218) }
```

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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