

Converting Colors

$Yxy(87.3470, 0.2925, 0.3685)$

Have a look what the booklet for
Yxy(87.3470, 0.2925, 0.3685)
contains.

Yxy(87.3258, 0.2925, 0.3687)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.3258, 0.2925, 0.3687)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFDB
RGB	188, 255, 219
RGB Percent	74%, 100%, 86%
CMY	0.2630, 0.0000, 0.1410
CMYK	0.26, 0.00, 0.14, 0.00
HSL	148°, 100%, 87%
HSV	148°, 26%, 100%
XYZ	69.2780, 87.3258, 80.2440
YIQ	230.8630, -28.3760, -25.4000

Conversions

Conversions Part 2

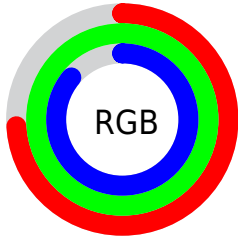
Format	Color
RYB	188, 234, 255
Decimal	12386267
CIELab	94.88, -27.94, 10.51
CIELCh	95, 29.852, 159.382
Yxy	87.3258, 0.2925, 0.3687
Android (android.graphics.Color)	4290576347 (0xFFBCFFDB)
YUV	230.8630, -5.8485, -37.5909
Hunter-Lab	93.4483, -31.2033, 14.5015

Details

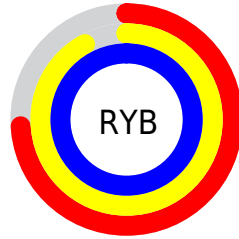
The Yxy color **87.3258, 0.2925, 0.3687** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.5796, 0.3396, 0.2925**, and the grayscale version is **79.8532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.0550, 0.2877, 0.3781** is the 20% darker color. If you saturate the color by 10%, you get **83.6730, 0.2857, 0.3867**, and if you desaturate by 10%, it is **91.5994, 0.2999, 0.3523**.

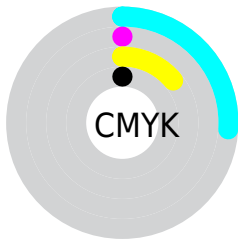
Distribution



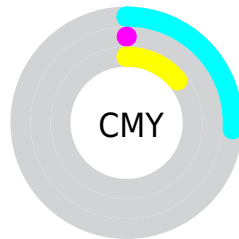
- Red (74%)
- Green (100%)
- Blue (86%)



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



- Cyan (26%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3258, 0.2925, 0.3687 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 87.3258, 0.2925, 0.3687 by changing the saturation by 10% instead.


 87.3258, 0.2925,
0.3687

 87.3258, 0.2925,
0.3687


519.2928, 0.3018,
0.3504

 65.7649, 0.2904,
0.3729


 143.6182, 0.2957,
0.3624

 48.0815, 0.2878,
0.3780


179.1184, 0.2970,
0.3599

 33.8915, 0.2845,
0.3845

220.0338, 0.2981,
0.3578

 22.8102, 0.2802,
0.3931

266.7488, 0.2990,
0.3559

 14.4534, 0.2744,
0.4046

319.6478, 0.2998,
0.3543

 8.4367, 0.2660,
0.4212

379.1152, 0.3006,

 4.3756, 0.2531,

0.3528

0.4471

445.5355, 0.3012,
0.3515

■ 1.8858, 0.2307,
0.4922

■ 0.5398, 0.0000,
1.0000

■ 87.3258, 0.2925,
0.3687

■ 87.3258, 0.2925,
0.3687

■ 83.6730, 0.2857,
0.3867

■ 91.5994, 0.2999,
0.3523


■ 80.6252, 0.2798,
0.4062


■ 96.5387, 0.3077,
0.3375


■ 78.1428, 0.2753,
0.4268

100.0000, 0.3127,
0.3290

■ 76.1879, 0.2724,
0.4480

 74.7175, 0.2714,
0.4693

 73.6816, 0.2724,
0.4900

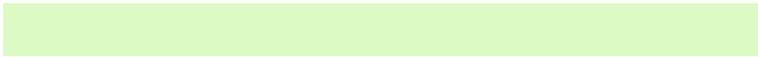
 73.0184, 0.2754,
0.5094

 72.8334, 0.2767,
0.5162

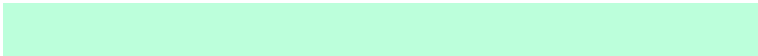
Harmonies

Analogous

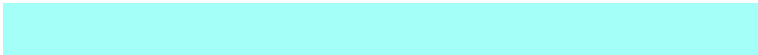
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3258, 0.3260, 0.3873



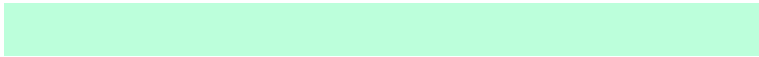
87.3258, 0.2925, 0.3687



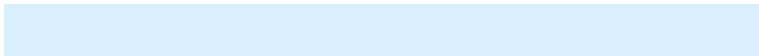
87.3258, 0.2654, 0.3379

Triad

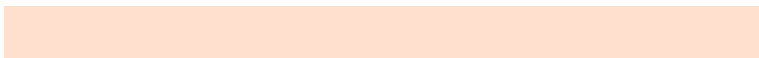
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3258, 0.2925, 0.3687



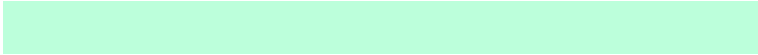
87.3258, 0.2682, 0.2737



87.3258, 0.3787, 0.3459

Complementary

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



87.3258, 0.2925, 0.3687



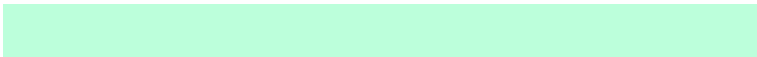
62.5796, 0.3396, 0.2925

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.



87.3258, 0.3616, 0.3180



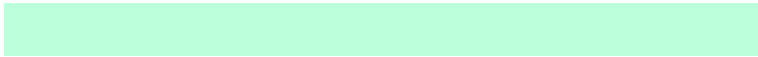
87.3258, 0.2925, 0.3687



87.3258, 0.2966, 0.2777

Square

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



87.3258, 0.2925, 0.3687



87.3258, 0.2520, 0.2834



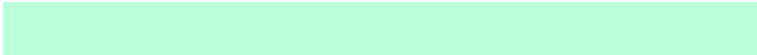
87.3258, 0.3310, 0.2936



87.3258, 0.3768, 0.3714

Rectangle

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



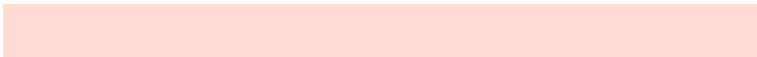
87.3258, 0.2925, 0.3687



87.3258, 0.2541, 0.3162



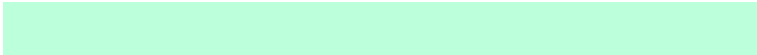
87.3258, 0.3310, 0.2936



87.3258, 0.3750, 0.3365

Sweetspot

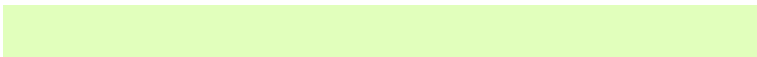
The Sweet Spot groups the original color and five complimentary colors.



87.3205, 0.2925, 0.3687



95.6493, 0.3064, 0.3399



91.1279, 0.3324, 0.3995



20.3083, 0.3052, 0.3420



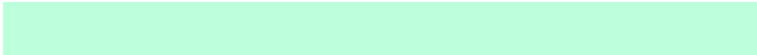
0.0000, 0.0000, 0.0000



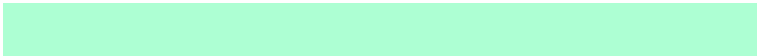
21.4041, 0.3127, 0.3290

Same Dimension

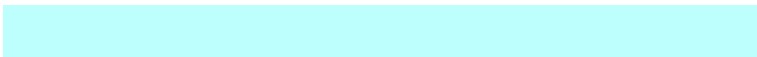
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3205, 0.2925, 0.3687



85.1647, 0.2885, 0.3788



89.2102, 0.2758, 0.3325



20.3083, 0.3052, 0.3420



38.0865, 0.2759, 0.5132



3.7301, 0.2699, 0.4915

Inverse Universe

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



62.5796, 0.3396, 0.2925



56.3192, 0.3473, 0.2843



60.9773, 0.3666, 0.3257



18.1500, 0.3210, 0.3163



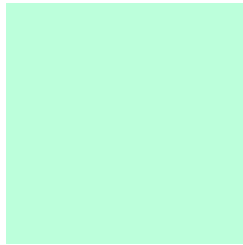
12.0797, 0.4810, 0.2423



1.1982, 0.4577, 0.2295

Previews

White Background



This preview shows how the Yxy color 87.3258, 0.2925, 0.3687 looks on a white background.

Color Contrast Check

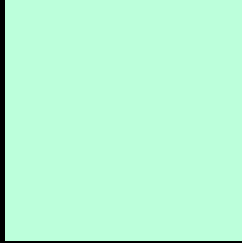
Large Text (above 18pt) WCAG AA × Fail

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 87.3258, 0.2925, 0.3687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

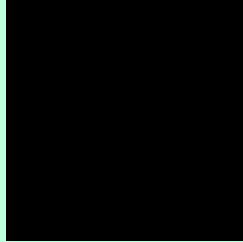
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

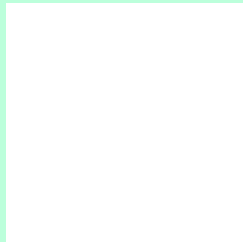
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3258, 0.2925, 0.3687

Background



This preview shows how black text looks on a background with the Yxy color 87.3258, 0.2925, 0.3687.

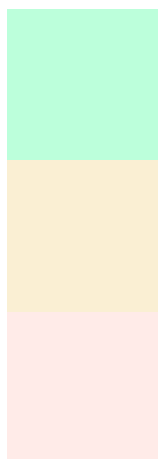


This preview shows how white text looks on a background with the Yxy color 87.3258, 0.2925, 0.3687.

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

87.3258, 0.2925, 0.3687

Protanopia

86.7601, 0.3378, 0.3572

Deuteranopia

86.5029, 0.3282, 0.3320



Tritanopia

86.9814, 0.2908, 0.3177

Trichromacy



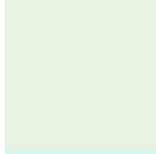
Original Color

87.3258, 0.2925, 0.3687



Protanomaly

86.4907, 0.3196, 0.3615



Deuteranomaly

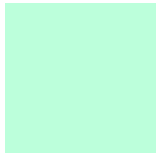
86.0392, 0.3146, 0.3445



Tritanomaly

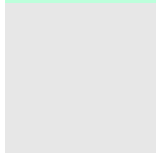
86.9555, 0.2915, 0.3353

Monochromacy



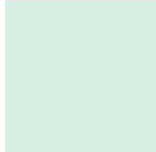
Original Color

87.3258, 0.2925, 0.3687



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3133, 0.3043, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3258, 0.2925, 0.3687 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 87.3258, 0.2925, 0.3687 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, 219) }
```

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

```
.border{ border-color:rgb(188, 255, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3258, 0.2925, 0.3687 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, 219) }
```

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

```
.background{ background-color: rgb(188,  
255, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor