

Converting Colors

$Yxy(96.1278, 0.2922, 0.3797)$

Have a look what the booklet for
Yxy(96.1278, 0.2922, 0.3797)
contains.

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Color

Yxy(87.4318, 0.2915, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFDD
RGB	188, 255, 221
RGB Percent	74%, 100%, 87%
CMY	0.2626, 0.0000, 0.1332
CMYK	0.26, 0.00, 0.13, 0.00
HSL	150°, 100%, 87%
HSV	150°, 26%, 100%
XYZ	69.5589, 87.4318, 81.6332
YIQ	231.0910, -29.0180, -24.7780

Conversions

Conversions Part 2

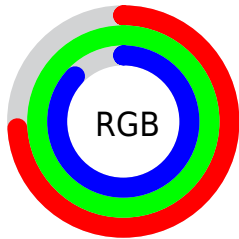
Format	Color
RYB	188, 233, 255
Decimal	12386269
CIELab	94.92, -27.53, 9.55
CIELCh	95, 29.136, 160.860
Yxy	87.4318, 0.2915, 0.3664
Android (android.graphics.Color)	4290576349 (0xFFBCFFDD)
YUV	231.0910, -4.9749, -37.7908
Hunter-Lab	93.5050, -30.8466, 13.6912

Details

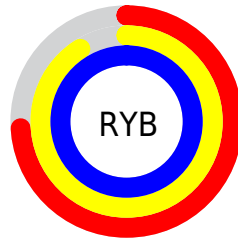
The Yxy color **87.4318, 0.2915, 0.3664** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.5153, 0.3411, 0.2945**, and the grayscale version is **80.0445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.1279, 0.2864, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **83.8138, 0.2844, 0.3834**, and if you desaturate by 10%, it is **91.6824, 0.2993, 0.3509**.

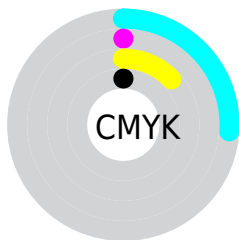
Distribution



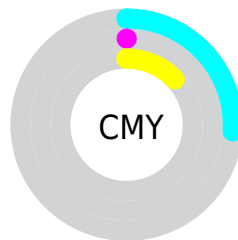
- Red (74%)
- Green (100%)
- Blue (87%)



- Red (74%)
- Yellow (91%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (26%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4318, 0.2915, 0.3664 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 87.4318, 0.2915, 0.3664 by changing the saturation by 10% instead.


 87.4318, 0.2915,
0.3664

 87.4318, 0.2915,
0.3664

519.6407, 0.3012,
0.3492

 65.8526, 0.2893,
0.3703


 143.7658, 0.2949,
0.3604

 48.1528, 0.2866,
0.3752


179.2895, 0.2962,
0.3581

 33.9479, 0.2832,
0.3813


220.2300, 0.2973,
0.3561

 22.8536, 0.2787,
0.3892

266.9719, 0.2983,
0.3544

 14.4854, 0.2728,
0.4000

319.8996, 0.2992,
0.3528

 8.4590, 0.2642,
0.4155

379.3973, 0.2999,

 4.3901, 0.2511,

0.3515

0.4395

445.8495, 0.3006,
0.3503

■ 1.8941, 0.2286,
0.4815

■ 0.5448, 0.0000,
1.0000

■ 87.4318, 0.2915,
0.3664

■ 87.4318, 0.2915,
0.3664

■ 83.8138, 0.2844,
0.3834

■ 91.6824, 0.2993,
0.3509


■ 80.7862, 0.2782,
0.4017

■ 96.5837, 0.3075,
0.3370


■ 78.3185, 0.2734,
0.4211


■ 99.9977, 0.3127,
0.3290

■ 76.3730, 0.2703,
0.4412

 74.9071, 0.2691,
0.4614

 73.8712, 0.2699,
0.4811

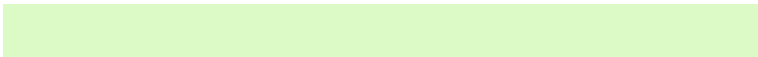
 73.2036, 0.2727,
0.4998

 73.0146, 0.2740,
0.5065

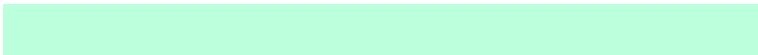
Harmonies

Analogous

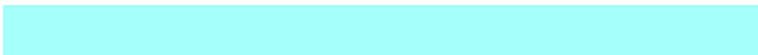
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4318, 0.3241, 0.3853



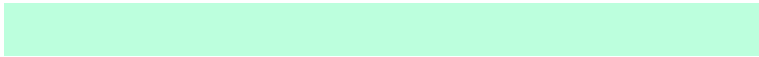
87.4318, 0.2915, 0.3664



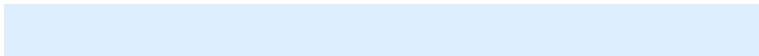
87.4318, 0.2655, 0.3361

Triad

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



87.4318, 0.2915, 0.3664



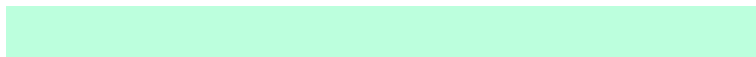
87.4318, 0.2704, 0.2749



87.4318, 0.3774, 0.3469

Complementary

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



87.4318, 0.2915, 0.3664



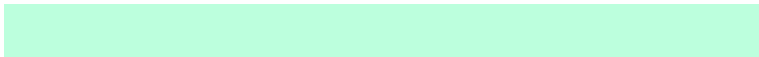
62.5153, 0.3411, 0.2945

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.



87.4318, 0.3616, 0.3196



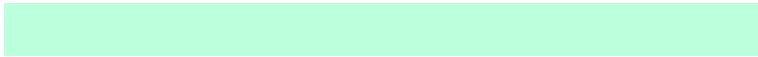
87.4318, 0.2915, 0.3664



87.4318, 0.2986, 0.2794

Square

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



87.4318, 0.2915, 0.3664



87.4318, 0.2538, 0.2837



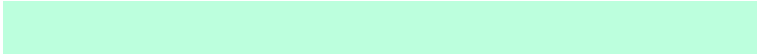
87.4318, 0.3322, 0.2955



87.4318, 0.3747, 0.3715

Rectangle

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



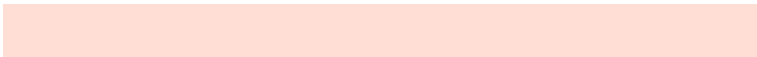
87.4318, 0.2915, 0.3664



87.4318, 0.2549, 0.3151



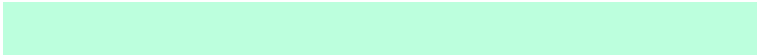
87.4318, 0.3322, 0.2955



87.4318, 0.3741, 0.3378

Sweetspot

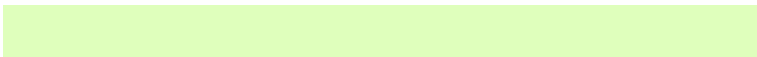
The Sweet Spot groups the original color and five complimentary colors.



87.4354, 0.2915, 0.3664



95.6854, 0.3061, 0.3393



90.7797, 0.3310, 0.3997



20.3174, 0.3048, 0.3413



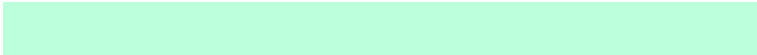
0.0000, 0.0000, 0.0000



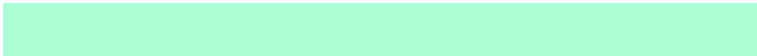
21.4041, 0.3127, 0.3290

Same Dimension

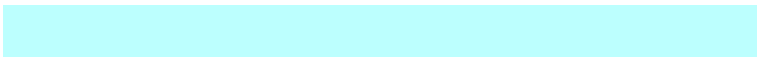
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4354, 0.2915, 0.3664



85.2847, 0.2873, 0.3760



89.3617, 0.2747, 0.3301



20.3174, 0.3048, 0.3413



38.1829, 0.2732, 0.5036



3.7398, 0.2674, 0.4826

Inverse Universe

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



62.5153, 0.3411, 0.2945



56.1967, 0.3493, 0.2866



60.9217, 0.3684, 0.3280



18.1409, 0.3214, 0.3170



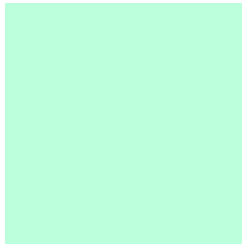
11.9723, 0.4933, 0.2491



1.1878, 0.4683, 0.2353

Previews

White Background



This preview shows how the Yxy color 87.4318, 0.2915, 0.3664 looks on a white background.

Color Contrast Check

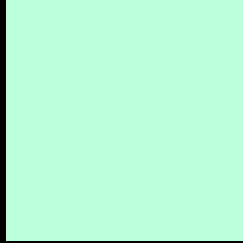
Large Text (above 18pt) WCAG AA × Fail

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 87.4318, 0.2915, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

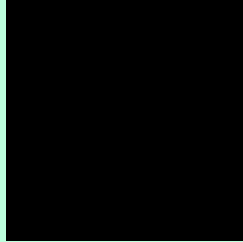
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

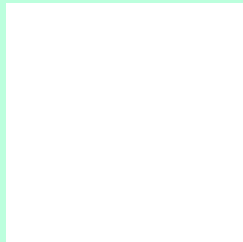
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4318, 0.2915, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 87.4318, 0.2915, 0.3664.

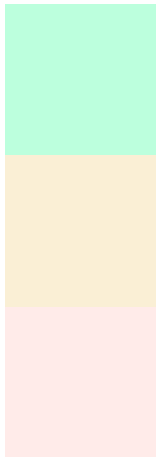


This preview shows how white text looks on a background with the Yxy color 87.4318, 0.2915, 0.3664.

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

87.4318, 0.2915, 0.3664

Protanopia

86.8611, 0.3366, 0.3552

Deuteranopia

86.5599, 0.3276, 0.3310



Tritanopia

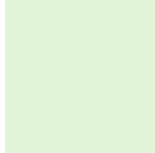
86.9814, 0.2908, 0.3177

Trichromacy



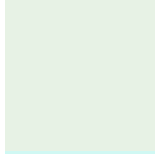
Original Color

87.4318, 0.2915, 0.3664



Protanomaly

86.5936, 0.3184, 0.3594



Deuteranomaly

86.1503, 0.3134, 0.3424



Tritanomaly

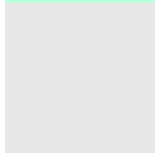
87.0158, 0.2910, 0.3342

Monochromacy



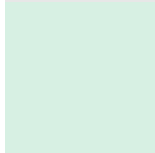
Original Color

87.4318, 0.2915, 0.3664



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 87.4318, 0.2915, 0.3664 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 87.4318, 0.2915, 0.3664 is called "border". The border property can be set on classes, ids or directly on the HTML element.

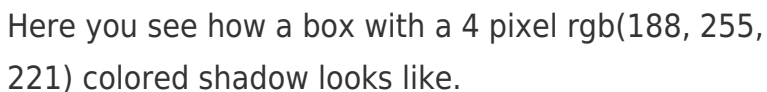
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 255, 221) }
```

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

```
.border{ border-color:rgb(188, 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(188, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 255, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 255, 221); box-shadow:4px 4px 4px 4px rgb(188, 255, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4318, 0.2915, 0.3664 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, 221) }
```

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

```
.background{ background-color: rgb(188,  
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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