

Converting Colors

$Y_{xy}(128.1206, 0.2967, 0.4248)$

Have a look what the booklet for
Yxy(128.1206, 0.2967, 0.4248)
contains.

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Color

Yxy(87.2451, 0.2952, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDFFD7</code>
RGB	<code>189, 255, 215</code>
RGB Percent	<code>74%, 100%, 84%</code>
CMY	<code>0.2589, 0.0000, 0.1567</code>
CMYK	<code>0.26, 0.00, 0.16, 0.00</code>
HSL	<code>144°, 100%, 87%</code>
HSV	<code>144°, 26%, 100%</code>
XYZ	<code>69.0106, 87.2451, 77.5200</code>
YIQ	<code>230.7060, -26.4960, -26.4320</code>

Conversions

Conversions Part 2

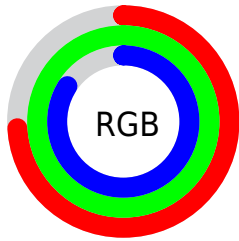
Format	Color
R _{YB}	189, 236, 255
Decimal	12451799
CIE Lab	94.84, -28.37, 12.52
CIE LCh	95, 31.012, 156.187
Yxy	87.2451, 0.2952, 0.3732
Android (android.graphics.Color)	4290641879 (0xFFBDDFFD7)
YUV	230.7060, -7.7431, -36.5762
Hunter-Lab	93.4051, -31.5775, 16.1768

Details

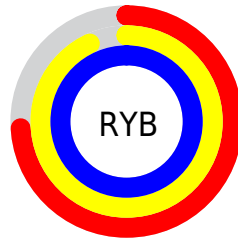
The Yxy color **87.2451, 0.2952, 0.3732** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.2962, 0.3355, 0.2887**, and the grayscale version is **79.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **47.9946, 0.2910, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **83.5084, 0.2892, 0.3936**, and if you desaturate by 10%, it is **91.6271, 0.3018, 0.3546**.

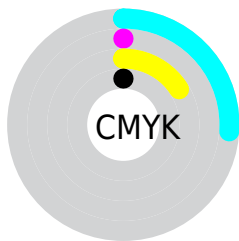
Distribution



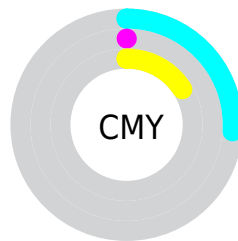
- Red (74%)
- Green (100%)
- Blue (84%)



- Red (74%)
- Yellow (93%)
- Blue (100%)



- Cyan (26%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2451, 0.2952, 0.3732 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 87.2451, 0.2952, 0.3732 by changing the saturation by 10% instead.

 87.2451, 0.2952,
0.3732

 87.2451, 0.2952,
0.3732


519.0279, 0.3034,
0.3527

 65.6981, 0.2933,
0.3779

 143.5057, 0.2980,
0.3661

 48.0273, 0.2910,
0.3837


178.9881, 0.2991,
0.3633

 33.8485, 0.2880,
0.3910


219.8843, 0.3001,
0.3610

 22.7773, 0.2842,
0.4006

266.5789, 0.3009,
0.3589

 14.4291, 0.2788,
0.4136

319.4561, 0.3016,
0.3571

 8.4197, 0.2711,
0.4324

378.9005, 0.3023,

 4.3647, 0.2590,

0.3555

0.4616

445.2963, 0.3029,
0.3540

■ 1.8796, 0.2374,
0.5132

■ 0.5361, 0.0000,
1.0000

■ 87.2451, 0.2952,
0.3732

■ 87.2451, 0.2952,
0.3732

■ 83.5084, 0.2892,
0.3936

■ 91.6271, 0.3018,
0.3546

■ 80.3891, 0.2840,
0.4157

■ 96.6883, 0.3086,
0.3379

■ 77.8509, 0.2800,
0.4391

100.0000, 0.3127,
0.3290

■ 75.8553, 0.2775,
0.4630

■ 74.3588, 0.2768,
0.4867

■ 73.3110, 0.2781,
0.5093

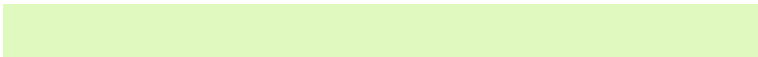
■ 72.6496, 0.2811,
0.5299

■ 72.4534, 0.2827,
0.5377

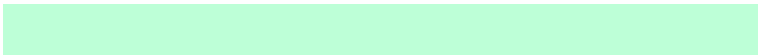
Harmonies

Analogous

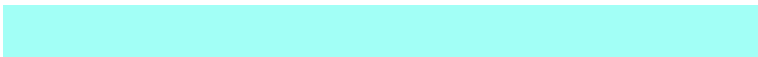
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2451, 0.3302, 0.3906



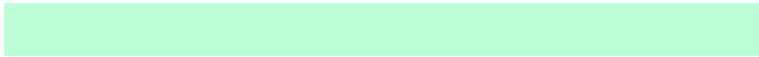
87.2451, 0.2952, 0.3732



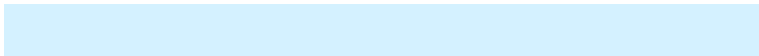
87.2451, 0.2660, 0.3419

Triad

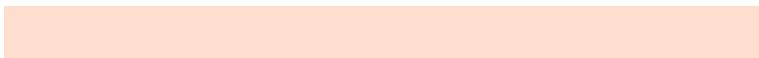
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2451, 0.2952, 0.3732



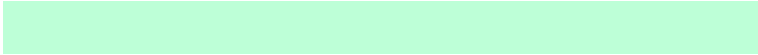
87.2451, 0.2640, 0.2720



87.2451, 0.3803, 0.3433

Complementary

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



87.2451, 0.2952, 0.3732



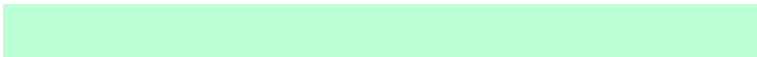
63.2962, 0.3355, 0.2887

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.



87.2451, 0.3606, 0.3145



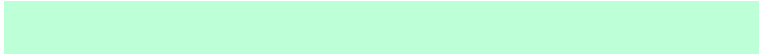
87.2451, 0.2952, 0.3732



87.2451, 0.2924, 0.2748

Square

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



87.2451, 0.2952, 0.3732



87.2451, 0.2488, 0.2835



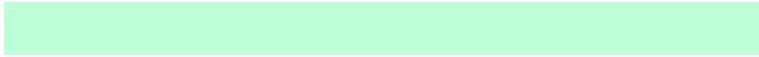
87.2451, 0.3278, 0.2901



87.2451, 0.3805, 0.3704

Rectangle

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



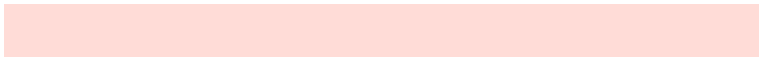
87.2451, 0.2952, 0.3732



87.2451, 0.2533, 0.3191



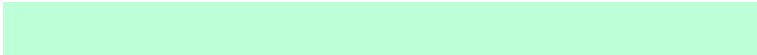
87.2451, 0.3278, 0.2901



87.2451, 0.3758, 0.3336

Sweetspot

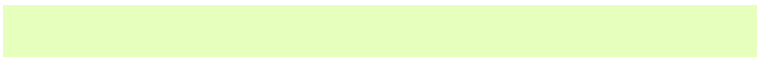
The Sweet Spot groups the original color and five complimentary colors.



87.2437, 0.2952, 0.3732



95.5644, 0.3072, 0.3413



91.9645, 0.3351, 0.3977



20.2870, 0.3061, 0.3437



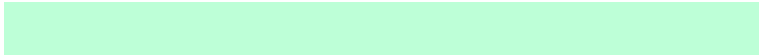
0.0000, 0.0000, 0.0000



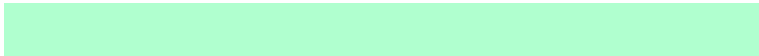
21.4041, 0.3127, 0.3290

Same Dimension

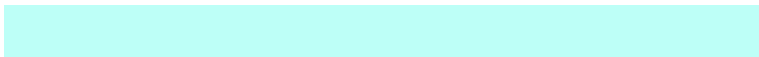
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2437, 0.2952, 0.3732



85.2572, 0.2920, 0.3834



89.0689, 0.2785, 0.3371



20.2870, 0.3061, 0.3437



37.8858, 0.2818, 0.5346



3.7096, 0.2755, 0.5119

Inverse Universe

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



63.2962, 0.3355, 0.2887



57.6614, 0.3413, 0.2804



61.6593, 0.3618, 0.3211



18.1718, 0.3199, 0.3147



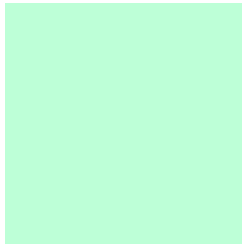
12.3636, 0.4523, 0.2265



1.2253, 0.4332, 0.2160

Previews

White Background



This preview shows how the Yxy color 87.2451, 0.2952, 0.3732 looks on a white background.

Color Contrast Check

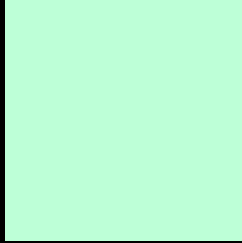
Large Text (above 18pt) WCAG AA × Fail

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 87.2451, 0.2952, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

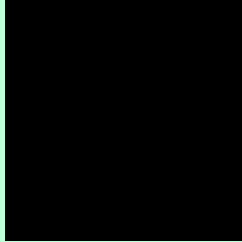
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

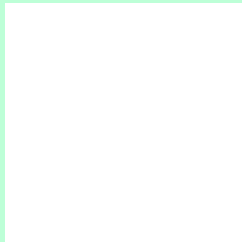
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2451, 0.2952, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 87.2451, 0.2952, 0.3732.

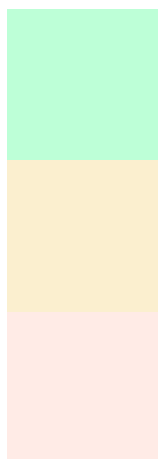


This preview shows how white text looks on a background with the Yxy color 87.2451, 0.2952, 0.3732.

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

87.2451, 0.2952, 0.3732

Protanopia

86.7472, 0.3411, 0.3613

Deuteranopia

86.3898, 0.3295, 0.3340



Tritanopia

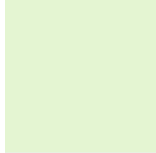
86.9814, 0.2908, 0.3177

Trichromacy



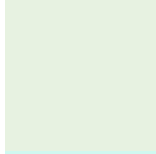
Original Color

87.2451, 0.2952, 0.3732



Protanomaly

86.4519, 0.3227, 0.3657



Deuteranomaly

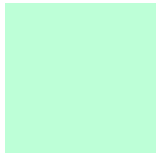
85.9294, 0.3158, 0.3466



Tritanomaly

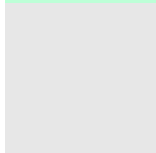
86.8360, 0.2926, 0.3374

Monochromacy



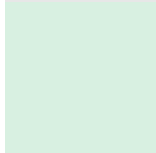
Original Color

87.2451, 0.2952, 0.3732



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3553, 0.3061, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2451, 0.2952, 0.3732 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(189, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 215)  
}
```

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(189, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 87.2451, 0.2952, 0.3732 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(189, 255, 215) }
```

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

```
.border{ border-color:rgb(189, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2451, 0.2952, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 215) }
```

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

```
.background{ background-color: rgb(189,  
255, 215) }
```

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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