

Converting Colors

$Yxy(87.1019, 0.2964, 0.3759)$

Have a look what the booklet for
Yxy(87.1019, 0.2964, 0.3759)
contains.

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Color

Yxy(87.1429, 0.2963, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	BDFFD5
RGB	189, 255, 213
RGB Percent	74%, 100%, 84%
CMY	0.2587, 0.0000, 0.1646
CMYK	0.26, 0.00, 0.16, 0.00
HSL	142°, 100%, 87%
HSV	142°, 26%, 100%
XYZ	68.7628, 87.1429, 76.1659
YIQ	230.4780, -25.8540, -27.0540

Conversions

Conversions Part 2

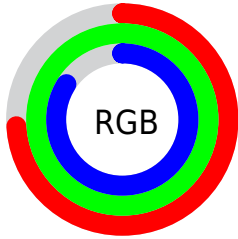
Format	Color
RYB	189, 237, 255
Decimal	12451797
CIELab	94.80, -28.72, 13.49
CIELCh	95, 31.735, 154.839
Yxy	87.1429, 0.2963, 0.3755
Android (android.graphics.Color)	4290641877 (0xFFBDDFFD5)
YUV	230.4780, -8.6167, -36.3762
Hunter-Lab	93.3504, -31.8782, 16.9697

Details

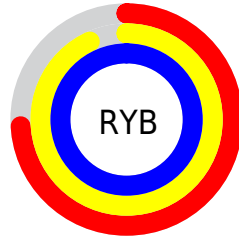
The Yxy color **87.1429, 0.2963, 0.3755** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.4327, 0.3339, 0.2867**, and the grayscale version is **79.5890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **47.9251, 0.2924, 0.3871** is the 20% darker color. If you saturate the color by 10%, you get **83.3836, 0.2906, 0.3971**, and if you desaturate by 10%, it is **91.5652, 0.3025, 0.3559**.

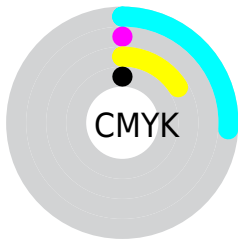
Distribution



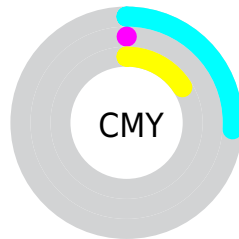
- Red (74%)
- Green (100%)
- Blue (84%)



- 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 87.1429, 0.2963, 0.3755 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 87.1429, 0.2963, 0.3755 by changing the saturation by 10% instead.

 87.1429, 0.2963,
0.3755

 87.1429, 0.2963,
0.3755


518.6923, 0.3040,
0.3539

 65.6135, 0.2945,
0.3804


 143.3633, 0.2990,
0.3680

 47.9587, 0.2923,
0.3865


178.8231, 0.3000,
0.3651

 33.7942, 0.2895,
0.3943


219.6951, 0.3009,
0.3626

 22.7355, 0.2857,
0.4044

266.3637, 0.3017,
0.3604

 14.3983, 0.2806,
0.4182

319.2133, 0.3024,
0.3585

 8.3982, 0.2731,
0.4381

378.6284, 0.3030,

 4.3508, 0.2612,

0.3568

0.4692

444.9932, 0.3035,
0.3553

■ 1.8717, 0.2399,
0.5245

■ 0.5313, 0.0000,
1.0000

■ 87.1429, 0.2963,
0.3755

■ 87.1429, 0.2963,
0.3755

■ 83.3836, 0.2906,
0.3971

■ 91.5652, 0.3025,
0.3559

■ 80.2439, 0.2857,
0.4204

■ 96.6697, 0.3089,
0.3384

■ 77.6922, 0.2820,
0.4449

99.9995, 0.3127,
0.3290

■ 75.6895, 0.2797,
0.4700

■ 74.1922, 0.2792,
0.4947

■ 73.1491, 0.2805,
0.5179

■ 72.4976, 0.2836,
0.5387

■ 72.3062, 0.2851,
0.5465

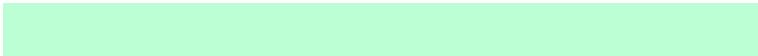
Harmonies

Analogous

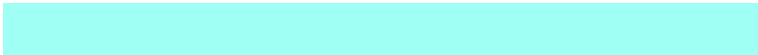
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1429, 0.3322, 0.3925



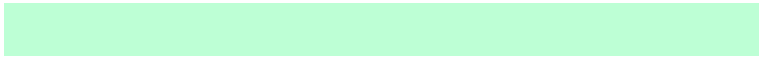
87.1429, 0.2963, 0.3755



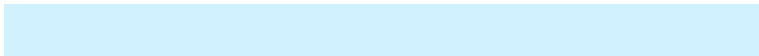
87.1429, 0.2660, 0.3437

Triad

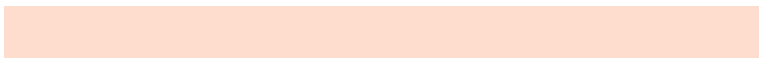
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1429, 0.2963, 0.3755



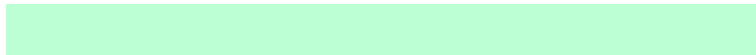
87.1429, 0.2619, 0.2710



87.1429, 0.3815, 0.3422

Complementary

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



87.1429, 0.2963, 0.3755



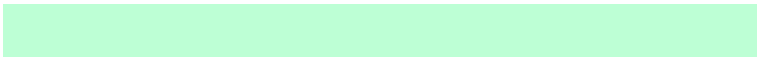
63.4327, 0.3339, 0.2867

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.



87.1429, 0.3605, 0.3129



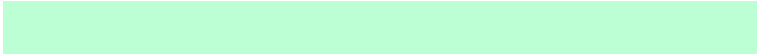
87.1429, 0.2963, 0.3755



87.1429, 0.2904, 0.2732

Square

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



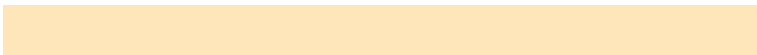
87.1429, 0.2963, 0.3755



87.1429, 0.2471, 0.2833



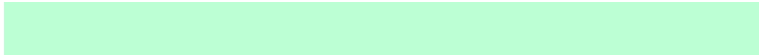
87.1429, 0.3265, 0.2883



87.1429, 0.3825, 0.3702

Rectangle

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



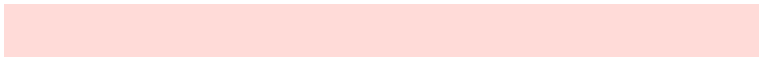
87.1429, 0.2963, 0.3755



87.1429, 0.2526, 0.3203



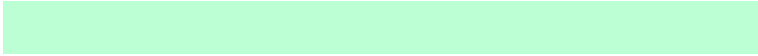
87.1429, 0.3265, 0.2883



87.1429, 0.3765, 0.3323

Sweetspot

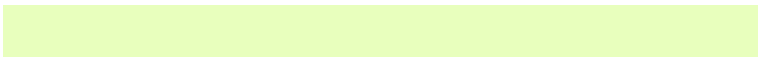
The Sweet Spot groups the original color and five complimentary colors.



87.1465, 0.2963, 0.3755



95.5264, 0.3075, 0.3419



92.3346, 0.3365, 0.3973



20.2774, 0.3066, 0.3445



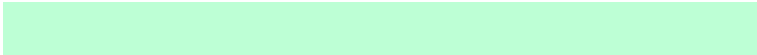
0.0000, 0.0000, 0.0000



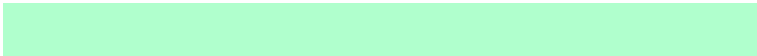
21.4041, 0.3127, 0.3290

Same Dimension

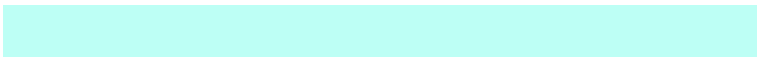
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1465, 0.2963, 0.3755



85.1384, 0.2933, 0.3863



88.9397, 0.2796, 0.3395



20.2774, 0.3066, 0.3445



37.8079, 0.2843, 0.5435



3.7013, 0.2780, 0.5207

Inverse Universe

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



63.4327, 0.3339, 0.2867



57.7949, 0.3392, 0.2780



61.7835, 0.3599, 0.3189



18.1816, 0.3194, 0.3140



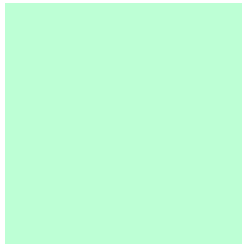
12.5053, 0.4398, 0.2196



1.2386, 0.4226, 0.2101

Previews

White Background



This preview shows how the Yxy color 87.1429, 0.2963, 0.3755 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 87.1429, 0.2963, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

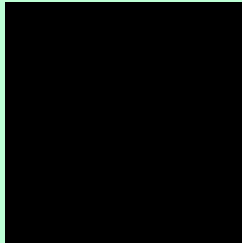
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

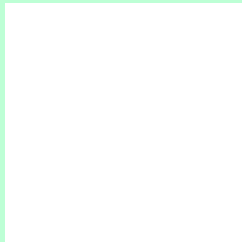
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1429, 0.2963, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 87.1429, 0.2963, 0.3755.

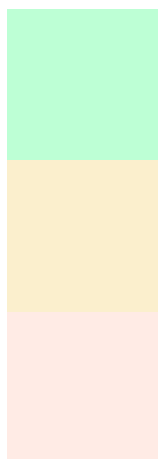


This preview shows how white text looks on a background with the Yxy color 87.1429, 0.2963, 0.3755.

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

87.1429, 0.2963, 0.3755

Protanopia

86.6500, 0.3424, 0.3633

Deuteranopia

86.3338, 0.3302, 0.3350



Tritanopia

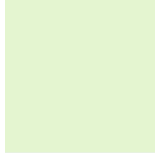
86.9814, 0.2908, 0.3177

Trichromacy



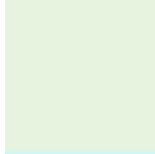
Original Color

87.1429, 0.2963, 0.3755



Protanomaly

86.3529, 0.3239, 0.3679



Deuteranomaly

85.8209, 0.3170, 0.3487



Tritanomaly

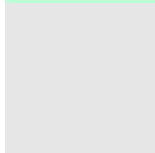
86.8360, 0.2926, 0.3374

Monochromacy



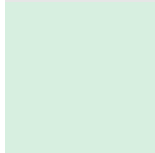
Original Color

87.1429, 0.2963, 0.3755



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5619, 0.3061, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1429, 0.2963, 0.3755 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 213) }
```

Border

The CSS property to change the border of an element to Yxy 87.1429, 0.2963, 0.3755 is called "border". The border property can be set on classes, ids or directly on the HTML element.

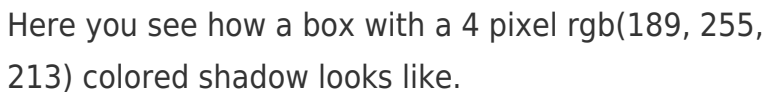
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 255, 213) }
```

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

```
.border{ border-color:rgb(189, 255, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 255, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 255, 213); box-shadow:4px 4px 4px 4px rgb(189, 255, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1429, 0.2963, 0.3755 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, 213) }
```

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

```
.background{ background-color: rgb(189,  
255, 213) }
```

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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