

Converting Colors

$Yxy(87.3716, 0.2920, 0.3676)$

Have a look what the booklet for
Yxy(87.3716, 0.2920, 0.3676)
contains.

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Color

Yxy(87.3787, 0.2920, 0.3676)

Conversions

Conversions Part 1

Format	Color
Hex	BCFFDC
RGB	188, 255, 220
RGB Percent	74%, 100%, 86%
CMY	0.2629, 0.0000, 0.1373
CMYK	0.26, 0.00, 0.14, 0.00
HSL	149°, 100%, 87%
HSV	149°, 26%, 100%
XYZ	69.4085, 87.3787, 80.9132
YIQ	230.9770, -28.6970, -25.0890

Conversions

Conversions Part 2

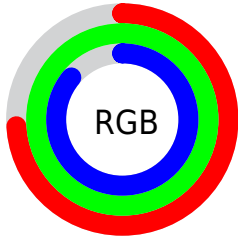
Format	Color
RYB	188, 233, 255
Decimal	12386268
CIELab	94.90, -27.75, 10.05
CIElCh	95, 29.517, 160.094
Yxy	87.3787, 0.2920, 0.3676
Android (android.graphics.Color)	4290576348 (0xFFBCFFDC)
YUV	230.9770, -5.4117, -37.6908
Hunter-Lab	93.4766, -31.0436, 14.1122

Details

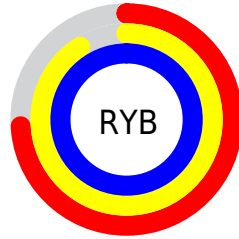
The Yxy color **87.3787, 0.2920, 0.3676** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.5341, 0.3404, 0.2935**, and the grayscale version is **79.9391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **48.0913, 0.2871, 0.3766** is the 20% darker color. If you saturate the color by 10%, you get **83.7388, 0.2850, 0.3851**, and if you desaturate by 10%, it is **91.6356, 0.2996, 0.3516**.

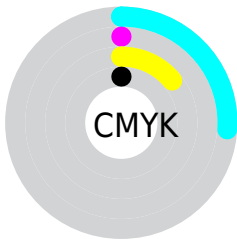
Distribution



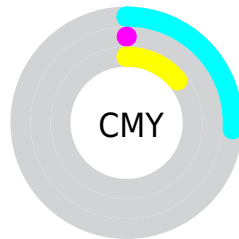
- Red (74%)
- Green (100%)
- Blue (86%)



- Red (74%)
- Yellow (91%)
- 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 87.3787, 0.2920, 0.3676 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 87.3787, 0.2920, 0.3676 by changing the saturation by 10% instead.


 87.3787, 0.2920,
0.3676

 87.3787, 0.2920,
0.3676


519.4665, 0.3015,
0.3498

 65.8086, 0.2898,
0.3717


 143.6919, 0.2953,
0.3614

 48.1171, 0.2872,
0.3767


179.2038, 0.2966,
0.3590

 33.9196, 0.2838,
0.3830


220.1317, 0.2977,
0.3570

 22.8319, 0.2795,
0.3912

266.8602, 0.2986,
0.3552

 14.4694, 0.2736,
0.4024

319.7735, 0.2995,
0.3536

 8.4479, 0.2651,
0.4185


379.2560, 0.3002,


 4.3828, 0.2521,

0.3522

0.4435


445.6922, 0.3009,
0.3509


 1.8899, 0.2297,
0.4871


 0.5423, 0.0000,
1.0000


 87.3787, 0.2920,
0.3676

 87.3787, 0.2920,
0.3676


 83.7388, 0.2850,
0.3851


 91.6356, 0.2996,
0.3516

 80.7015, 0.2790,
0.4040

 96.5556, 0.3076,
0.3372

 78.2267, 0.2744,
0.4240

 100.0000, 0.3127,
0.3290

 76.2768, 0.2714,
0.4447

■ 74.8089, 0.2703,
0.4655

■ 73.7733, 0.2712,
0.4857

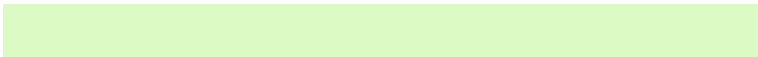
■ 73.1080, 0.2741,
0.5048

■ 72.9216, 0.2754,
0.5115

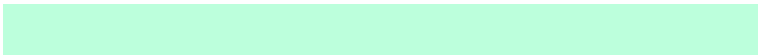
Harmonies

Analogous

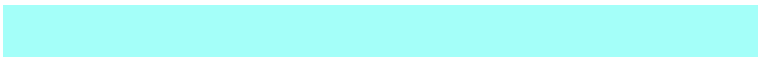
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3787, 0.3251, 0.3863



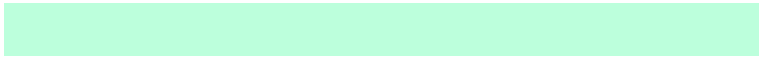
87.3787, 0.2920, 0.3676



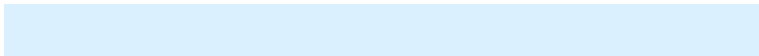
87.3787, 0.2654, 0.3370

Triad

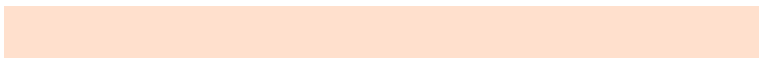
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3787, 0.2920, 0.3676



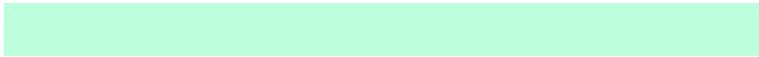
87.3787, 0.2692, 0.2743



87.3787, 0.3781, 0.3464

Complementary

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



87.3787, 0.2920, 0.3676



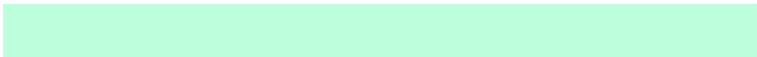
62.5341, 0.3404, 0.2935

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.



87.3787, 0.3616, 0.3187



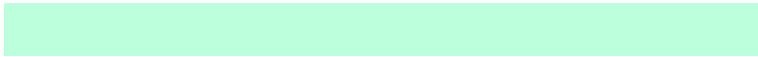
87.3787, 0.2920, 0.3676



87.3787, 0.2976, 0.2785

Square

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



87.3787, 0.2920, 0.3676



87.3787, 0.2528, 0.2835



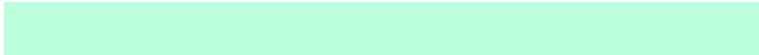
87.3787, 0.3316, 0.2945



87.3787, 0.3758, 0.3715

Rectangle

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



87.3787, 0.2920, 0.3676



87.3787, 0.2545, 0.3157



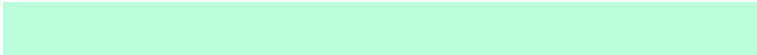
87.3787, 0.3316, 0.2945



87.3787, 0.3746, 0.3371

Sweetspot

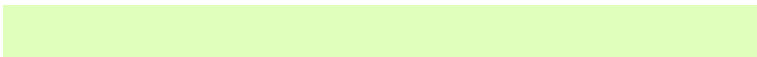
The Sweet Spot groups the original color and five complimentary colors.



87.3731, 0.2920, 0.3676



95.6670, 0.3062, 0.3396



90.9506, 0.3317, 0.3997



20.3128, 0.3050, 0.3417



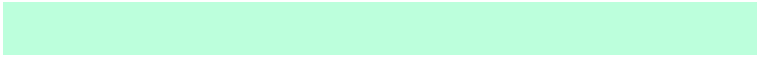
0.0000, 0.0000, 0.0000



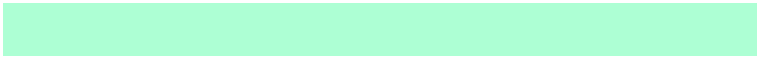
21.4041, 0.3127, 0.3290

Same Dimension

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



87.3731, 0.2920, 0.3676



85.2233, 0.2879, 0.3774



89.2829, 0.2752, 0.3313



20.3128, 0.3050, 0.3417



38.1329, 0.2746, 0.5085



3.7348, 0.2687, 0.4872

Inverse Universe

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



62.5341, 0.3404, 0.2935



56.2589, 0.3483, 0.2854



60.9345, 0.3676, 0.3268



18.1455, 0.3212, 0.3167



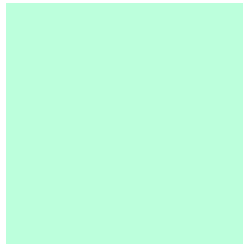
12.0261, 0.4870, 0.2457



1.1930, 0.4629, 0.2324

Previews

White Background



This preview shows how the Yxy color 87.3787, 0.2920, 0.3676 looks on a white background.

Color Contrast Check

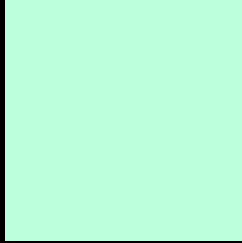
Large Text (above 18pt) WCAG AA × Fail

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 87.3787, 0.2920, 0.3676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

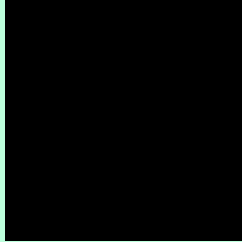
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3787, 0.2920, 0.3676

Background



This preview shows how black text looks on a background with the Yxy color 87.3787, 0.2920, 0.3676.

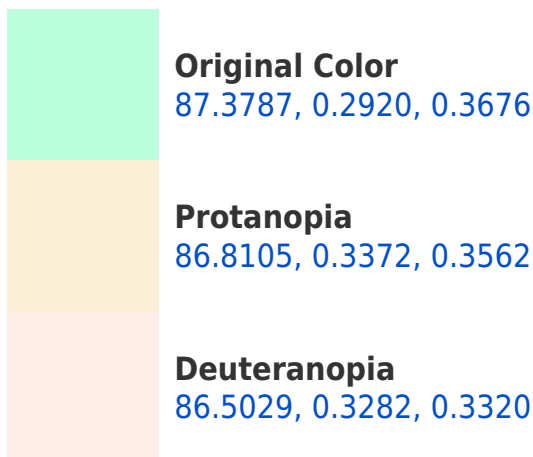


This preview shows how white text looks on a background with the Yxy color 87.3787, 0.2920, 0.3676.

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





Tritanopia

86.9814, 0.2908, 0.3177

Trichromacy



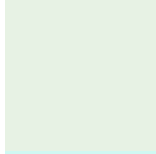
Original Color

87.3787, 0.2920, 0.3676



Protanomaly

86.5420, 0.3190, 0.3604



Deuteranomaly

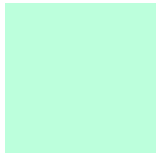
86.0946, 0.3140, 0.3435



Tritanomaly

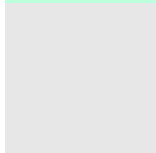
86.9555, 0.2915, 0.3353

Monochromacy



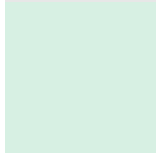
Original Color

87.3787, 0.2920, 0.3676



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 87.3787, 0.2920, 0.3676 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 87.3787, 0.2920, 0.3676 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, 220) }
```

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

```
.border{ border-color:rgb(188, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(188, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3787, 0.2920, 0.3676 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, 220) }
```

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

```
.background{ background-color: rgb(188,  
255, 220) }
```

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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