

Converting Colors

Yxy(114.5438, 0.2935, 0.4012)

Have a look what the booklet for
Yxy(114.5438, 0.2935, 0.4012)
contains.

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Color

Yxy(87.9241, 0.2921, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	BFFFDF
RGB	191, 255, 223
RGB Percent	75%, 100%, 87%
CMY	0.2512, 0.0000, 0.1255
CMYK	0.25, 0.00, 0.13, 0.00
HSL	150°, 100%, 87%
HSV	150°, 25%, 100%
XYZ	70.5567, 87.9241, 83.0690
YIQ	232.2160, -27.8720, -23.5200

Conversions

Conversions Part 2

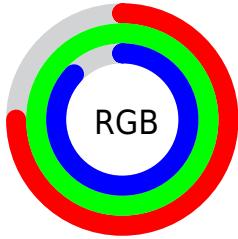
Format	Color
RYB	191, 234, 255
Decimal	12582879
CIELab	95.13, -26.28, 8.85
CIELCh	95, 27.728, 161.382
Yxy	87.9241, 0.2921, 0.3640
Android (android.graphics.Color)	4290772959 (0xFFBFFFDF)
YUV	232.2160, -4.5435, -36.1464
Hunter-Lab	93.7679, -29.7794, 13.1125

Details

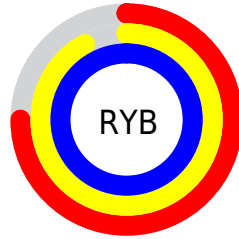
The Yxy color **87.9241, 0.2921, 0.3640** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.8258, 0.3400, 0.2965**, and the grayscale version is **80.9054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **48.4496, 0.2872, 0.3719** is the 20% darker color. If you saturate the color by 10%, you get **84.2347, 0.2848, 0.3805**, and if you desaturate by 10%, it is **92.2294, 0.3001, 0.3489**.

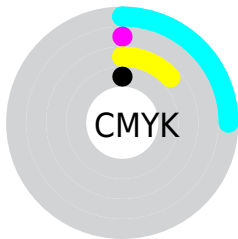
Distribution



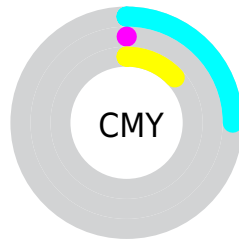
- Red (75%)
- Green (100%)
- Blue (87%)



- Red (75%)
- Yellow (92%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9241, 0.2921, 0.3640 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 87.9241, 0.2921, 0.3640 by changing the saturation by 10% instead.

 87.9241, 0.2921,
0.3640

 87.9241, 0.2921,
0.3640


521.2546, 0.3015,
0.3479

 66.2602, 0.2900,
0.3676


 144.4515, 0.2953,
0.3584

 48.4837, 0.2874,
0.3721

180.0838, 0.2966,
0.3563

 34.2101, 0.2841,
0.3778


221.1410, 0.2977,
0.3544

 23.0550, 0.2798,
0.3852

268.0075, 0.2987,
0.3528

 14.6341, 0.2741,
0.3952

321.0677, 0.2995,
0.3513

 8.5630, 0.2659,
0.4095

380.7061, 0.3003,

 4.4573, 0.2535,

0.3501

0.4316

447.3069, 0.3009,
0.3489

■ 1.9325, 0.2322,
0.4699

■ 0.5678, 0.0000,
1.0000

■ 87.9241, 0.2921,
0.3640

■ 87.9241, 0.2921,
0.3640

■ 84.2347, 0.2848,
0.3805

■ 92.2294, 0.3001,
0.3489


■ 81.1471, 0.2784,
0.3984


■ 97.1962, 0.3084,
0.3354

■ 78.6221, 0.2734,
0.4174


100.0000, 0.3127,
0.3290

■ 76.6224, 0.2700,
0.4371

 75.1061, 0.2685,
0.4570

 74.0248, 0.2690,
0.4765

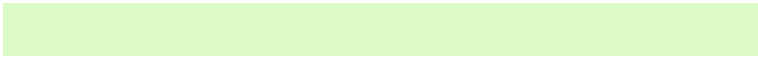
 73.3184, 0.2716,
0.4952

 73.0687, 0.2733,
0.5039

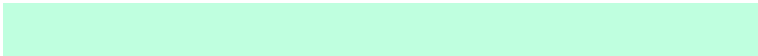
Harmonies

Analogous

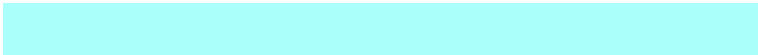
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9241, 0.3231, 0.3822



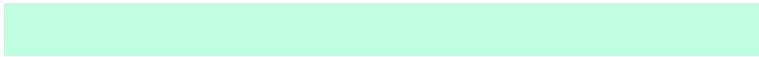
87.9241, 0.2921, 0.3640



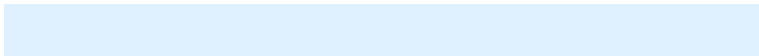
87.9241, 0.2675, 0.3353

Triad

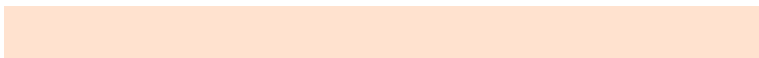
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9241, 0.2921, 0.3640



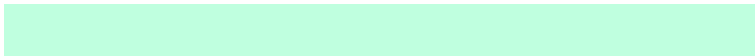
87.9241, 0.2728, 0.2774



87.9241, 0.3743, 0.3466

Complementary

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



87.9241, 0.2921, 0.3640



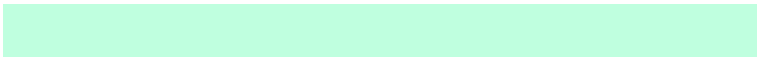
63.8258, 0.3400, 0.2965

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.



87.9241, 0.3595, 0.3205



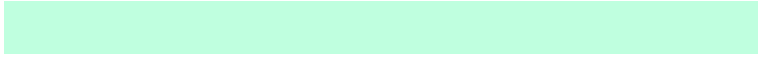
87.9241, 0.2921, 0.3640



87.9241, 0.2999, 0.2819

Square

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



87.9241, 0.2921, 0.3640



87.9241, 0.2568, 0.2857



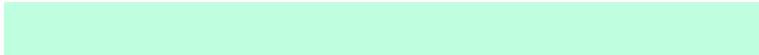
87.9241, 0.3318, 0.2974



87.9241, 0.3714, 0.3699

Rectangle

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



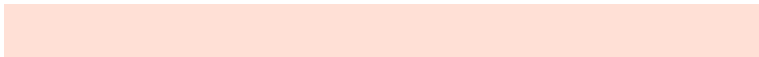
87.9241, 0.2921, 0.3640



87.9241, 0.2575, 0.3154



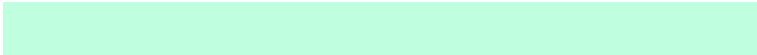
87.9241, 0.3318, 0.2974



87.9241, 0.3712, 0.3379

Sweetspot

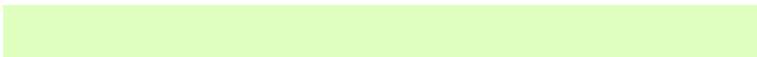
The Sweet Spot groups the original color and five complimentary colors.



87.9184, 0.2921, 0.3640



95.6951, 0.3060, 0.3391



90.9638, 0.3295, 0.3966



20.3198, 0.3047, 0.3411



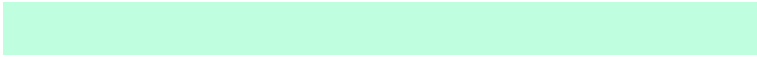
0.0000, 0.0000, 0.0000



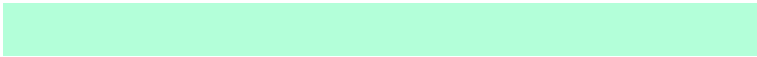
21.4041, 0.3127, 0.3290

Same Dimension

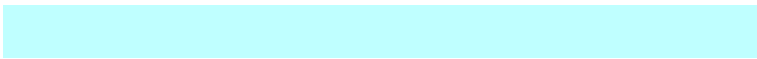
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9184, 0.2921, 0.3640



86.0430, 0.2884, 0.3719



89.8103, 0.2757, 0.3289



20.3198, 0.3047, 0.3411



38.2101, 0.2725, 0.5010



3.7424, 0.2667, 0.4802

Inverse Universe

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



63.8258, 0.3400, 0.2965



58.2949, 0.3469, 0.2899



62.2606, 0.3662, 0.3292



18.1384, 0.3215, 0.3172



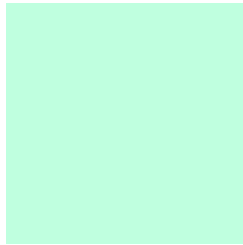
11.9447, 0.4966, 0.2510



1.1851, 0.4712, 0.2369

Previews

White Background



This preview shows how the Yxy color 87.9241, 0.2921, 0.3640 looks on a white background.

Color Contrast Check

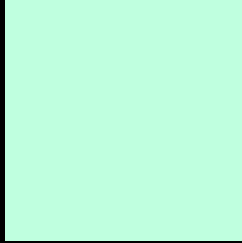
Large Text (above 18pt) WCAG AA × Fail

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 87.9241, 0.2921, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

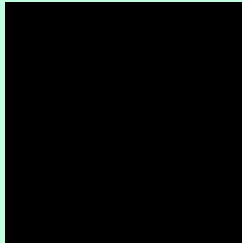
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

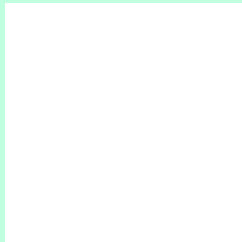
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9241, 0.2921, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 87.9241, 0.2921, 0.3640.

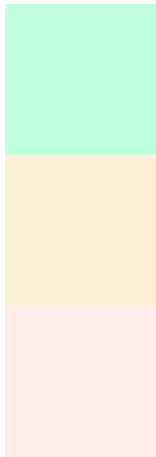


This preview shows how white text looks on a background with the Yxy color 87.9241, 0.2921, 0.3640.

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

87.9241, 0.2921, 0.3640

Protanopia

86.9633, 0.3353, 0.3532

Deuteranopia

87.1914, 0.3268, 0.3310



Tritanopia

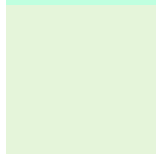
87.2935, 0.2920, 0.3177

Trichromacy



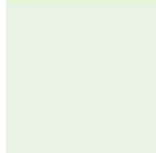
Original Color

87.9241, 0.2921, 0.3640



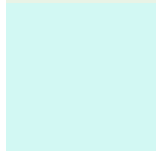
Protanomaly

87.0248, 0.3185, 0.3571



Deuteranomaly

86.9702, 0.3134, 0.3424



Tritanomaly

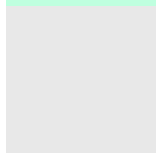
87.3075, 0.2921, 0.3342

Monochromacy



Original Color

87.9241, 0.2921, 0.3640



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.7290, 0.3044, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9241, 0.2921, 0.3640 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(191, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 223)  
}
```

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(191, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 87.9241, 0.2921, 0.3640 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(191, 255, 223) }
```

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

```
.border{ border-color:rgb(191, 255, 223) }
```

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

Here you see how a box with a 4 pixel rgb(191, 255, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9241, 0.2921, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 223) }
```

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

```
.background{ background-color: rgb(191,  
255, 223) }
```

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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