

Converting Colors

$Yxy(84.6056, 0.2974, 0.3776)$

Have a look what the booklet for
Yxy(84.6056, 0.2974, 0.3776)
contains.

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Color

Yxy(84.7891, 0.2973, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	BBFCD1
RGB	187, 252, 209
RGB Percent	73%, 99%, 82%
CMY	0.2663, 0.0118, 0.1804
CMYK	0.26, 0.00, 0.17, 0.01
HSL	140°, 92%, 86%
HSV	140°, 26%, 99%
XYZ	66.8287, 84.7891, 73.1677
YIQ	227.6630, -24.9370, -27.1530

Conversions

Conversions Part 2

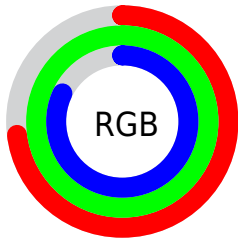
Format	Color
RYB	187, 236, 252
Decimal	12319953
CIELab	93.79, -28.63, 14.12
CIElCh	94, 31.924, 153.755
Yxy	84.7891, 0.2973, 0.3772
Android (android.graphics.Color)	4290510033 (0xFFBBFCD1)
YUV	227.6630, -9.2009, -35.6615
Hunter-Lab	92.0810, -31.5935, 17.3448

Details

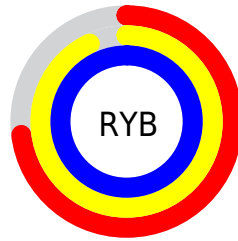
The Yxy color **84.7891, 0.2973, 0.3772** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.9886, 0.3324, 0.2853**, and the grayscale version is **77.4206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **46.3023, 0.2928, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **81.1026, 0.2919, 0.3997**, and if you desaturate by 10%, it is **89.1270, 0.3032, 0.3568**.

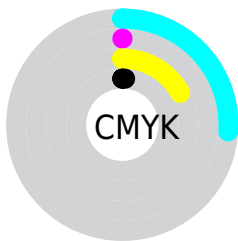
Distribution



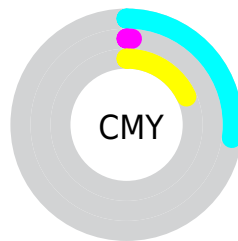
- Red (73%)
- Green (99%)
- Blue (82%)



- Red (73%)
- Yellow (93%)
- Blue (99%)



- Cyan (26%)
- Magenta (0%)
- Yellow (17%)
- Black (1%)





- Cyan (27%)
- Magenta (1%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7891, 0.2973, 0.3772 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 84.7891, 0.2973, 0.3772 by changing the saturation by 10% instead.


 84.7891, 0.2973,
0.3772

 84.7891, 0.2973,
0.3772

510.9300, 0.3046,
0.3547

 63.6671, 0.2956,
0.3824

 140.0785, 0.2999,
0.3694

 46.3811, 0.2934,
0.3888


175.0147, 0.3009,
0.3663

 32.5467, 0.2907,
0.3970


215.3244, 0.3017,
0.3637

 21.7794, 0.2870,
0.4077

261.3921, 0.3025,
0.3614

 13.6949, 0.2820,
0.4224

313.6021, 0.3031,
0.3595

 7.9088, 0.2745,
0.4437

372.3388, 0.3037,

 4.0366, 0.2623,

0.3577

0.4773

437.9866, 0.3042,
0.3561

■ 1.6941, 0.2410,
0.5426

■ 0.4198, 0.0000,
1.0000

■ 84.7891, 0.2973,
0.3772

■ 84.7891, 0.2973,
0.3772

■ 81.1026, 0.2919,
0.3997

■ 89.1270, 0.3032,
0.3568

■ 78.0251, 0.2873,
0.4239

■ 94.1351, 0.3092,
0.3385

■ 75.5256, 0.2837,
0.4494

■ 98.0929, 0.3129,
0.3261

■ 73.5658, 0.2816,
0.4754

■ 72.1031, 0.2812,
0.5009

■ 71.0875, 0.2825,
0.5246

■ 70.4579, 0.2855,
0.5455

■ 70.2704, 0.2871,
0.5534

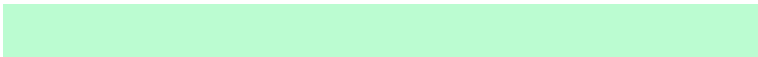
Harmonies

Analogous

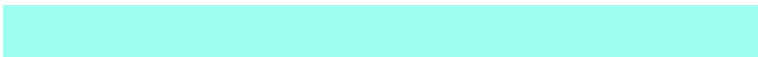
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7891, 0.3337, 0.3938



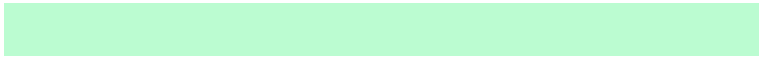
84.7891, 0.2973, 0.3772



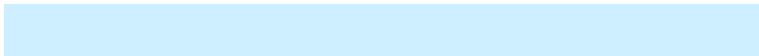
84.7891, 0.2662, 0.3452

Triad

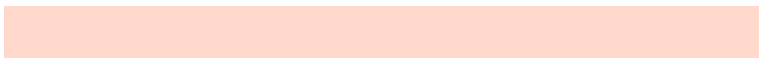
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7891, 0.2973, 0.3772



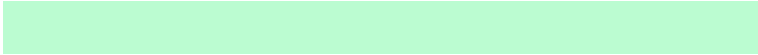
84.7891, 0.2603, 0.2703



84.7891, 0.3821, 0.3413

Complementary

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



84.7891, 0.2973, 0.3772



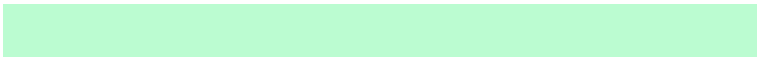
61.9886, 0.3324, 0.2853

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.



84.7891, 0.3601, 0.3116



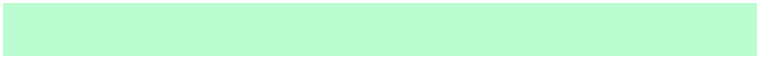
84.7891, 0.2973, 0.3772



84.7891, 0.2888, 0.2721

Square

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



84.7891, 0.2973, 0.3772



84.7891, 0.2459, 0.2833



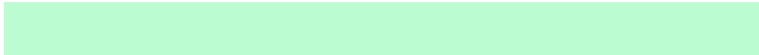
84.7891, 0.3253, 0.2870



84.7891, 0.3839, 0.3698

Rectangle

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



84.7891, 0.2973, 0.3772



84.7891, 0.2523, 0.3214



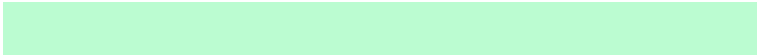
84.7891, 0.3253, 0.2870



84.7891, 0.3768, 0.3312

Sweetspot

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



84.7926, 0.2973, 0.3772



95.4943, 0.3078, 0.3425



90.0863, 0.3371, 0.3968



20.2694, 0.3069, 0.3451



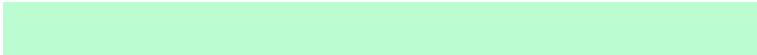
0.0000, 0.0000, 0.0000



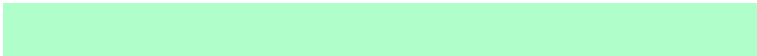
21.4041, 0.3127, 0.3290

Same Dimension

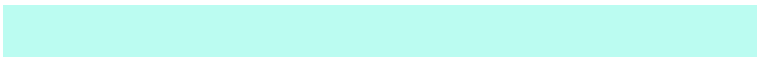
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7926, 0.2973, 0.3772



85.0392, 0.2944, 0.3888



86.5500, 0.2803, 0.3406



19.4060, 0.3069, 0.3451



36.6333, 0.2862, 0.5504



3.4118, 0.2796, 0.5265

Inverse Universe

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



61.9886, 0.3324, 0.2853



57.9094, 0.3375, 0.2761



60.3443, 0.3587, 0.3178



17.4191, 0.3190, 0.3134



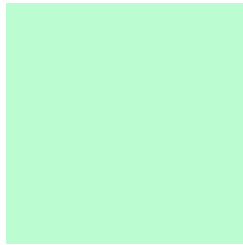
12.2605, 0.4293, 0.2138



1.1553, 0.4129, 0.2049

Previews

White Background



This preview shows how the Yxy color 84.7891, 0.2973, 0.3772 looks on a white background.

Color Contrast Check

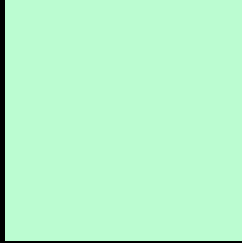
Large Text (above 18pt) WCAG AA × Fail

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 84.7891, 0.2973, 0.3772 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 84.7891, 0.2973, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 84.7891, 0.2973, 0.3772.

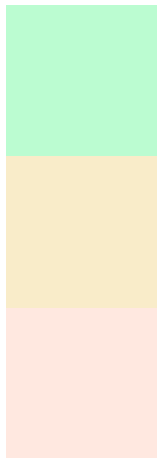


This preview shows how white text looks on a background with the Yxy color 84.7891, 0.2973, 0.3772.

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

84.7891, 0.2973, 0.3772

Protanopia

84.3477, 0.3442, 0.3647

Deuteranopia

84.3550, 0.3338, 0.3370



Tritanopia

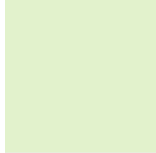
84.7213, 0.2865, 0.3154

Trichromacy



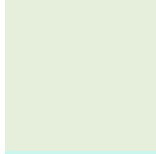
Original Color

84.7891, 0.2973, 0.3772



Protanomaly

84.0326, 0.3254, 0.3694



Deuteranomaly

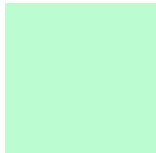
83.6705, 0.3190, 0.3499



Tritanomaly

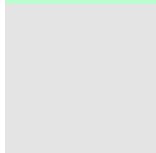
84.7811, 0.2907, 0.3375

Monochromacy



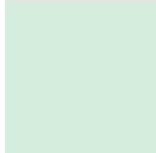
Original Color

84.7891, 0.2973, 0.3772



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.9350, 0.3066, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7891, 0.2973, 0.3772 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(187, 252, 209)` looks like.

```
.text, #text, p{  
    color:rgb(187, 252, 209)  
}
```

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(187, 252, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 252, 209) }
```

Border

The CSS property to change the border of an element to Yxy 84.7891, 0.2973, 0.3772 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(187, 252, 209) }
```

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

```
.border{ border-color:rgb(187, 252, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 252, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 252, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 252, 209);  
box-shadow:4px 4px 4px 4px rgb(187, 252,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7891, 0.2973, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 252, 209) }
```

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

```
.background{ background-color: rgb(187,  
252, 209) }
```

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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