

Converting Colors

$Y_{xy}(100.0000, 0.3036, 0.3835)$

Have a look what the booklet for
Yxy(100.0000, 0.3036, 0.3835)
contains.

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Color

Yxy(89.8474, 0.3042, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFDA
RGB	207, 255, 218
RGB Percent	81%, 100%, 85%
CMY	0.1882, 0.0000, 0.1451
CMYK	0.19, 0.00, 0.15, 0.00
HSL	134°, 100%, 91%
HSV	134°, 19%, 100%
XYZ	74.1497, 89.8474, 79.7560
YIQ	236.4300, -16.7310, -21.6830

Conversions

Conversions Part 2

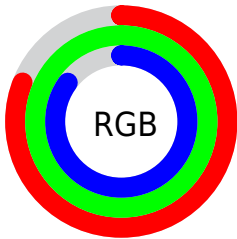
Format	Color
R_{YB}	207, 246, 255
Decimal	13631450
CIE _{Lab}	95.93, -22.19, 12.70
CIE _{LCh}	96, 25.565, 150.209
Yxy	89.8474, 0.3042, 0.3686
Android (android.graphics.Color)	4291821530 (0xFFCFFFDA)
YUV	236.4300, -9.0860, -25.8101
Hunter-Lab	94.7879, -26.2436, 16.4640

Details

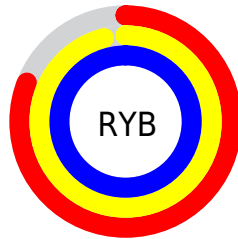
The Yxy color **89.8474, 0.3042, 0.3686** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.4289, 0.3225, 0.2924**, and the grayscale version is **84.3113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7079, 0.3021, 0.3777** is the 20% darker color. If you saturate the color by 10%, you get **85.4988, 0.2998, 0.3934**, and if you desaturate by 10%, it is **94.9161, 0.3087, 0.3464**.

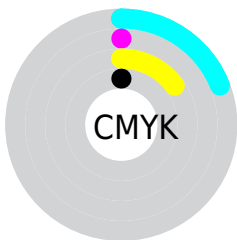
Distribution



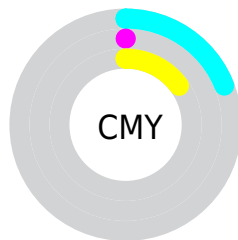
- Red (81%)
- Green (100%)
- Blue (85%)



- Red (81%)
- Yellow (96%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8474, 0.3042, 0.3686 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 89.8474, 0.3042, 0.3686 by changing the saturation by 10% instead.

 89.8474, 0.3042,
0.3686

 89.8474, 0.3042,
0.3686

527.5343, 0.3083,
0.3504

 67.8541, 0.3033,
0.3727


147.1264, 0.3056,
0.3623

 49.7790, 0.3021,
0.3778


183.1809, 0.3062,
0.3599

 35.2379, 0.3005,
0.3842

224.6912, 0.3066,
0.3578

 23.8462, 0.2985,
0.3925

272.0418, 0.3071,
0.3559

 15.2195, 0.2957,
0.4037

325.6170, 0.3074,
0.3543

 8.9736, 0.2916,
0.4196

385.8012, 0.3077,

 4.7240, 0.2850,

0.3529

0.4441

452.9789, 0.3080,
0.3516

■ 2.0862, 0.2727,
0.4862

■ 0.6569, 0.1118,
0.8882

■ 89.8474, 0.3042,
0.3686

■ 89.8474, 0.3042,
0.3686

■ 85.4988, 0.2998,
0.3934


■ 94.9161, 0.3087,
0.3464


■ 81.8305, 0.2958,
0.4204


100.0000, 0.3127,
0.3290

■ 78.8097, 0.2925,
0.4493


■ 76.3977, 0.2901,
0.4789

 74.5521, 0.2889,
0.5080

 73.2244, 0.2891,
0.5349

 72.3580, 0.2908,
0.5579

 71.8725, 0.2935,
0.5759

 71.8286, 0.2938,
0.5777

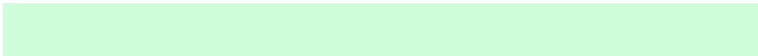
Harmonies

Analogous

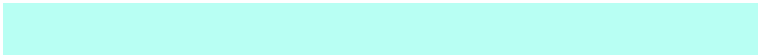
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8474, 0.3329, 0.3799



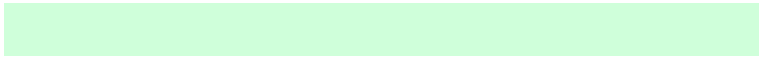
89.8474, 0.3042, 0.3686



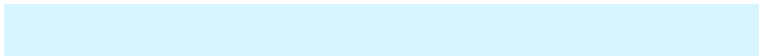
89.8474, 0.2786, 0.3451

Triad

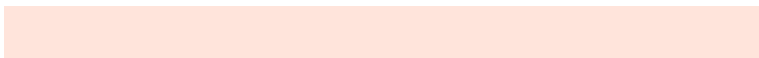
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8474, 0.3042, 0.3686



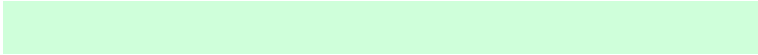
89.8474, 0.2692, 0.2831



89.8474, 0.3657, 0.3364

Complementary

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



89.8474, 0.3042, 0.3686



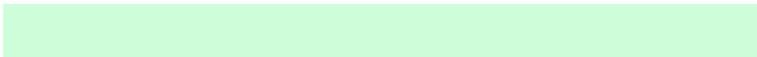
72.4289, 0.3225, 0.2924

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.



89.8474, 0.3471, 0.3128



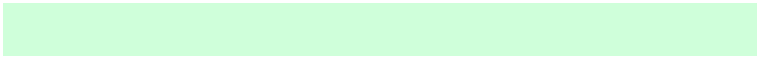
89.8474, 0.3042, 0.3686



89.8474, 0.2909, 0.2828

Square

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



89.8474, 0.3042, 0.3686



89.8474, 0.2591, 0.2953



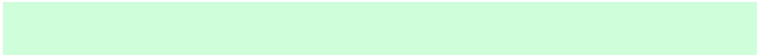
89.8474, 0.3194, 0.2936



89.8474, 0.3693, 0.3594

Rectangle

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



89.8474, 0.3042, 0.3686



89.8474, 0.2665, 0.3267



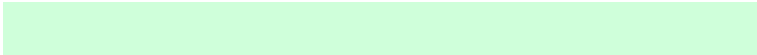
89.8474, 0.3194, 0.2936



89.8474, 0.3610, 0.3284

Sweetspot

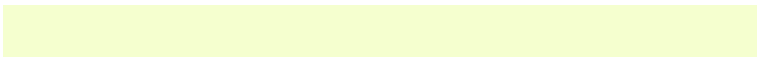
The Sweet Spot groups the original color and five complimentary colors.



89.8498, 0.3042, 0.3686



96.4759, 0.3100, 0.3406



95.3674, 0.3343, 0.3771



20.5712, 0.3097, 0.3420



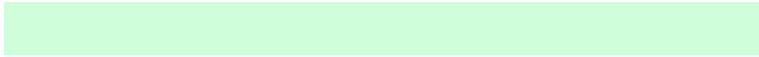
0.0000, 0.0000, 0.0000



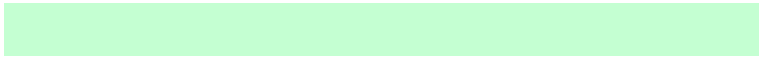
21.4041, 0.3127, 0.3290

Same Dimension

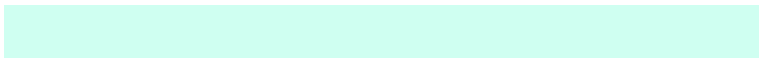
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8498, 0.3042, 0.3686



87.9439, 0.3023, 0.3787



91.1635, 0.2915, 0.3432



20.2362, 0.3084, 0.3479



37.5506, 0.2931, 0.5752



3.6720, 0.2874, 0.5547

Inverse Universe

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



72.4289, 0.3225, 0.2924



67.2841, 0.3251, 0.2840



71.0954, 0.3395, 0.3153



18.2251, 0.3173, 0.3108



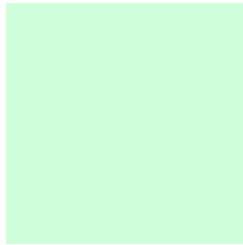
13.2318, 0.3890, 0.1916



1.3048, 0.3796, 0.1865

Previews

White Background



This preview shows how the Yxy color 89.8474, 0.3042, 0.3686 looks on a white background.

Color Contrast Check

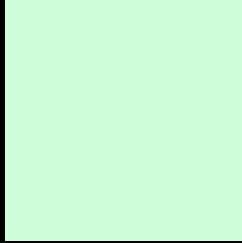
Large Text (above 18pt) WCAG AA × Fail

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 89.8474, 0.3042, 0.3686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

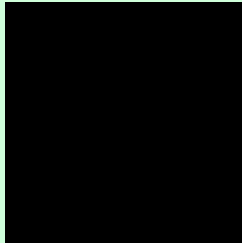
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

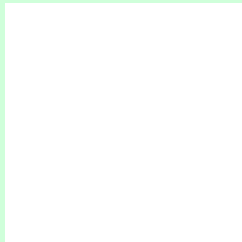
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8474, 0.3042, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 89.8474, 0.3042, 0.3686.

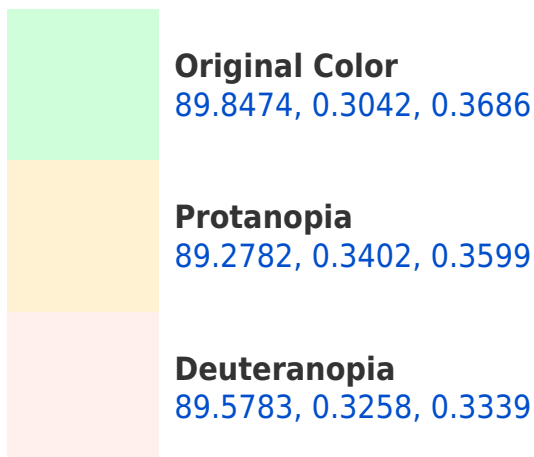


This preview shows how white text looks on a background with the Yxy color 89.8474, 0.3042, 0.3686.

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

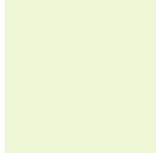
89.3478, 0.2975, 0.3189

Trichromacy



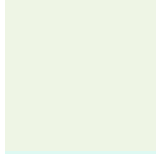
Original Color

89.8474, 0.3042, 0.3686



Protanomaly

89.3811, 0.3261, 0.3628



Deuteranomaly

89.1391, 0.3178, 0.3452



Tritanomaly

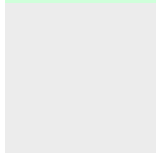
89.6918, 0.2999, 0.3362

Monochromacy



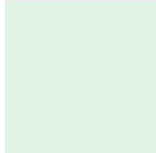
Original Color

89.8474, 0.3042, 0.3686



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7659, 0.3094, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8474, 0.3042, 0.3686 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(207, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 218)  
}
```

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(207, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 89.8474, 0.3042, 0.3686 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(207, 255, 218) }
```

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

```
.border{ border-color:rgb(207, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8474, 0.3042, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 218) }
```

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

```
.background{ background-color: rgb(207,  
255, 218) }
```

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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