

Converting Colors

$Yxy(88.9920, 0.3014, 0.3639)$

Have a look what the booklet for
Yxy(88.9920, 0.3014, 0.3639)
contains.

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Color

Yxy(89.0832, 0.3013, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	CDFEDD
RGB	205, 254, 221
RGB Percent	80%, 100%, 87%
CMY	0.1963, 0.0038, 0.1333
CMYK	0.19, 0.00, 0.13, 0.00
HSL	140°, 96%, 90%
HSV	140°, 19%, 100%
XYZ	73.6574, 89.0832, 81.7248
YIQ	235.5870, -18.6110, -20.6510

Conversions

Conversions Part 2

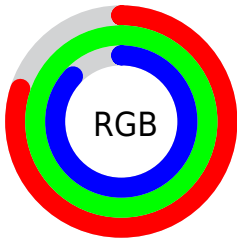
Format	Color
R _Y B	205, 242, 254
Decimal	13500125
CIE Lab	95.62, -21.84, 10.68
CIE LCh	96, 24.308, 153.933
Yxy	89.0832, 0.3013, 0.3644
Android (android.graphics.Color)	4291690205 (0xFFCDFEDD)
YUV	235.5870, -7.1914, -26.8248
Hunter-Lab	94.3839, -25.8700, 14.7309

Details

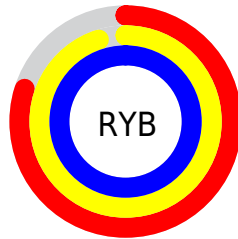
The Yxy color **89.0832, 0.3013, 0.3644** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.8770, 0.3263, 0.2960**, and the grayscale version is **83.6093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1697, 0.2985, 0.3723** is the 20% darker color. If you saturate the color by 10%, you get **84.8995, 0.2957, 0.3859**, and if you desaturate by 10%, it is **93.9535, 0.3072, 0.3451**.

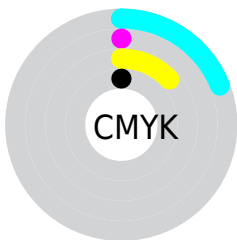
Distribution



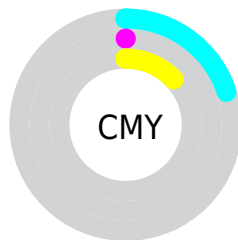
- Red (80%)
- Green (100%)
- Blue (87%)



- Red (80%)
- Yellow (95%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0832, 0.3013, 0.3644 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 89.0832, 0.3013, 0.3644 by changing the saturation by 10% instead.


 89.0832, 0.3013,
0.3644

 89.0832, 0.3013,
0.3644


525.0440, 0.3066,
0.3482

 67.2205, 0.3001,
0.3681


146.0643, 0.3031,
0.3588

 49.2638, 0.2986,
0.3726


181.9514, 0.3039,
0.3566

 34.8288, 0.2967,
0.3783


223.2822, 0.3045,
0.3547

 23.5310, 0.2942,
0.3857

270.4410, 0.3050,
0.3531

 14.9861, 0.2908,
0.3957

323.8121, 0.3055,
0.3516

 8.8096, 0.2858,
0.4100

383.7801, 0.3059,

 4.6172, 0.2781,

0.3503

0.4319

450.7293, 0.3063,
0.3492

■ 2.0245, 0.2644,
0.4697

■ 0.6216, 0.0851,
0.9149

■ 89.0832, 0.3013,
0.3644

■ 89.0832, 0.3013,
0.3644

■ 84.8995, 0.2957,
0.3859

■ 93.9535, 0.3072,
0.3451

■ 81.3600, 0.2907,
0.4095

99.3757, 0.3128,
0.3281

■ 78.4350, 0.2865,
0.4347

■ 76.0880, 0.2835,
0.4608

■ 74.2784, 0.2820,
0.4871

■ 72.9600, 0.2822,
0.5123

■ 72.0784, 0.2842,
0.5352

■ 71.5523, 0.2876,
0.5549

■ 71.5231, 0.2878,
0.5561

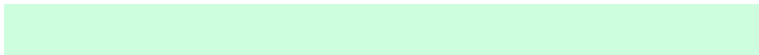
Harmonies

Analogous

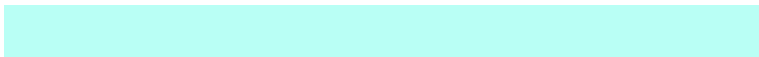
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0832, 0.3287, 0.3769



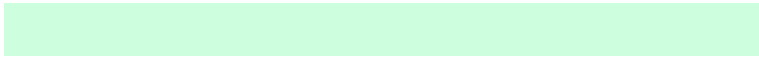
89.0832, 0.3013, 0.3644



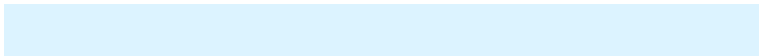
89.0832, 0.2777, 0.3412

Triad

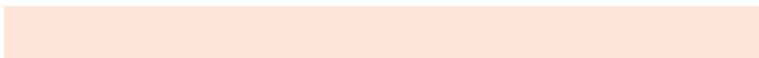
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.0832, 0.3013, 0.3644



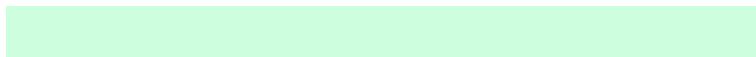
89.0832, 0.2732, 0.2845



89.0832, 0.3645, 0.3390

Complementary

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



89.0832, 0.3013, 0.3644



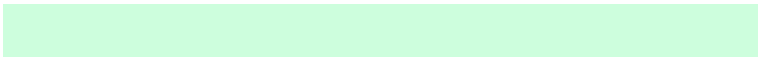
70.8770, 0.3263, 0.2960

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.



89.0832, 0.3483, 0.3162



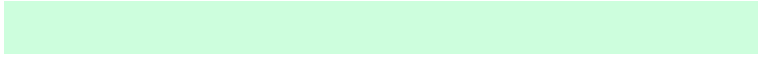
89.0832, 0.3013, 0.3644



89.0832, 0.2951, 0.2856

Square

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



89.0832, 0.3013, 0.3644



89.0832, 0.2620, 0.2948



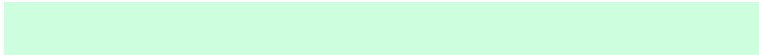
89.0832, 0.3226, 0.2971



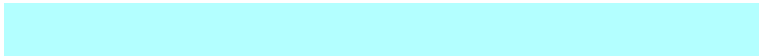
89.0832, 0.3660, 0.3605

Rectangle

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



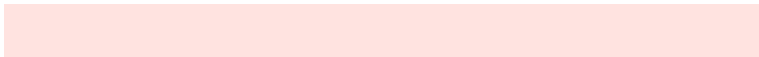
89.0832, 0.3013, 0.3644



89.0832, 0.2669, 0.3237



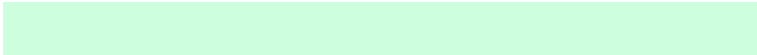
89.0832, 0.3226, 0.2971



89.0832, 0.3606, 0.3313

Sweetspot

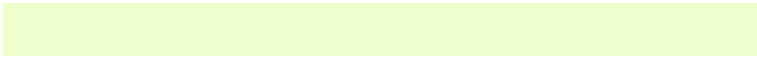
The Sweet Spot groups the original color and five complimentary colors.



89.0869, 0.3013, 0.3644



96.5677, 0.3091, 0.3391



93.5602, 0.3316, 0.3789



20.5929, 0.3088, 0.3403



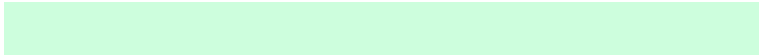
0.0000, 0.0000, 0.0000



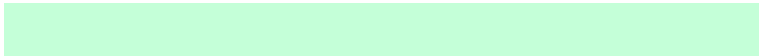
21.4041, 0.3127, 0.3290

Same Dimension

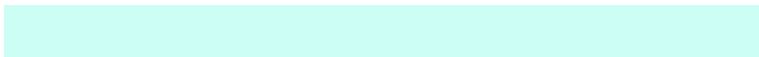
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.0869, 0.3013, 0.3644



88.2377, 0.2992, 0.3721



90.4598, 0.2884, 0.3384



20.2662, 0.3071, 0.3454



37.7255, 0.2870, 0.5532



3.6923, 0.2807, 0.5306

Inverse Universe

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



70.8770, 0.3263, 0.2960



66.9421, 0.3294, 0.2895



69.5588, 0.3441, 0.3199



18.1932, 0.3188, 0.3131



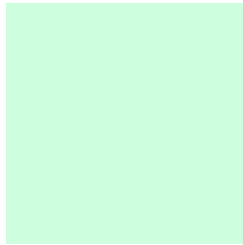
12.6838, 0.4254, 0.2117



1.2551, 0.4104, 0.2034

Previews

White Background



This preview shows how the Yxy color 89.0832, 0.3013, 0.3644 looks on a white background.

Color Contrast Check

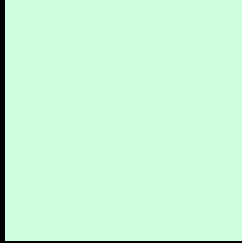
Large Text (above 18pt) WCAG AA × Fail

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 89.0832, 0.3013, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

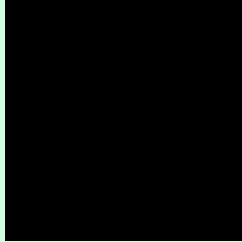
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

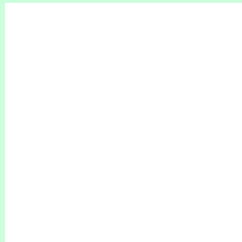
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.0832, 0.3013, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 89.0832, 0.3013, 0.3644.

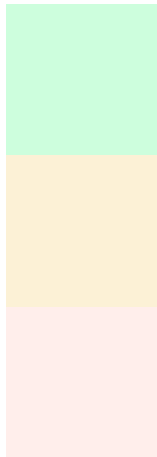


This preview shows how white text looks on a background with the Yxy color 89.0832, 0.3013, 0.3644.

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

89.0832, 0.3013, 0.3644

Protanopia

88.4611, 0.3370, 0.3560

Deuteranopia

88.4072, 0.3260, 0.3320



Tritanopia

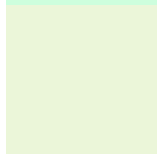
89.0188, 0.2962, 0.3189

Trichromacy



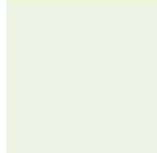
Original Color

89.0832, 0.3013, 0.3644



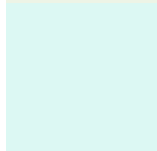
Protanomaly

88.5835, 0.3230, 0.3588



Deuteranomaly

88.4191, 0.3166, 0.3432



Tritanomaly

88.8215, 0.2981, 0.3341

Monochromacy



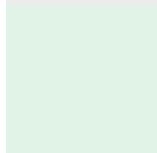
Original Color

89.0832, 0.3013, 0.3644



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8783, 0.3083, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0832, 0.3013, 0.3644 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(205, 254, 221)` looks like.

```
.text, #text, p{  
    color:rgb(205, 254, 221)  
}
```

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(205, 254, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 254, 221) }
```

Border

The CSS property to change the border of an element to Yxy 89.0832, 0.3013, 0.3644 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(205, 254, 221) }
```

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

```
.border{ border-color:rgb(205, 254, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 254, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 254, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 254, 221);  
box-shadow:4px 4px 4px 4px rgb(205, 254,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0832, 0.3013, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 254, 221) }
```

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

```
.background{ background-color: rgb(205,  
254, 221) }
```

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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