

Converting Colors

$Yxy(92.2754, 0.3000, 0.3683)$

Have a look what the booklet for
Yxy(92.2754, 0.3000, 0.3683)
contains.

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Color

Yxy(89.6313, 0.3002, 0.3644)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDE
RGB	204, 255, 222
RGB Percent	80%, 100%, 87%
CMY	0.2001, 0.0000, 0.1295
CMYK	0.20, 0.00, 0.13, 0.00
HSL	141°, 100%, 90%
HSV	141°, 20%, 100%
XYZ	73.8401, 89.6313, 82.4982
YIQ	235.9890, -19.8030, -21.0750

Conversions

Conversions Part 2

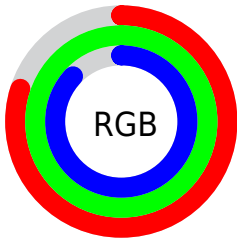
Format	Color
RYB	204, 242, 255
Decimal	13434846
CIELab	95.84, -22.44, 10.50
CIELCh	96, 24.778, 154.917
Yxy	89.6313, 0.3002, 0.3644
Android (android.graphics.Color)	4291624926 (0xFFCCFFDE)
YUV	235.9890, -6.8966, -28.0544
Hunter-Lab	94.6738, -26.4596, 14.6067

Details

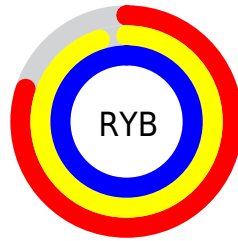
The Yxy color **89.6313, 0.3002, 0.3644** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5523, 0.3278, 0.2961**, and the grayscale version is **83.9300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5677, 0.2971, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **85.4727, 0.2943, 0.3852**, and if you desaturate by 10%, it is **94.4590, 0.3064, 0.3457**.

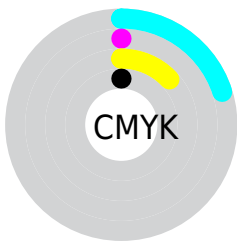
Distribution



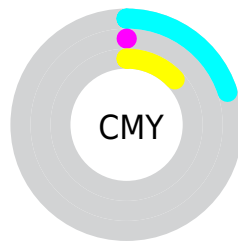
- Red (80%)
- Green (100%)
- Blue (87%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6313, 0.3002, 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 89.6313, 0.3002, 0.3644 by changing the saturation by 10% instead.


 89.6313, 0.3002,
0.3644

 89.6313, 0.3002,
0.3644


526.8308, 0.3060,
0.3482

 67.6749, 0.2989,
0.3681


146.8261, 0.3022,
0.3588

 49.6333, 0.2972,
0.3726


182.8334, 0.3030,
0.3566

 35.1221, 0.2952,
0.3783


224.2930, 0.3037,
0.3547

 23.7569, 0.2925,
0.3856

271.5894, 0.3042,
0.3531

 15.1534, 0.2888,
0.3956

325.1070, 0.3048,
0.3516

 8.9271, 0.2835,
0.4098

385.2301, 0.3052,

 4.6937, 0.2753,

0.3504

0.4316

452.3433, 0.3056,
0.3492

■ 2.0687, 0.2609,
0.4690

■ 0.6469, 0.0939,
0.9061

■ 89.6313, 0.3002,
0.3644

■ 89.6313, 0.3002,
0.3644

■ 85.4727, 0.2943,
0.3852

■ 94.4590, 0.3064,
0.3457

■ 81.9632, 0.2890,
0.4079

99.9960, 0.3127,
0.3290

■ 79.0654, 0.2847,
0.4322

100.0000, 0.3127,
0.3290

■ 76.7424, 0.2816,
0.4575

■ 74.9535, 0.2801,
0.4830

■ 73.6519, 0.2804,
0.5075

■ 72.7825, 0.2825,
0.5300

■ 72.2571, 0.2860,
0.5495

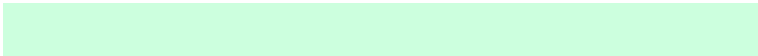
Harmonies

Analogous

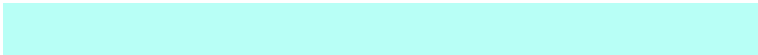
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6313, 0.3281, 0.3775



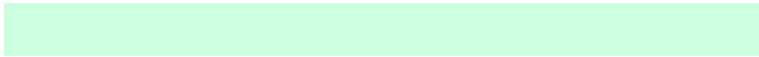
89.6313, 0.3002, 0.3644



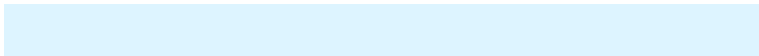
89.6313, 0.2764, 0.3405

Triad

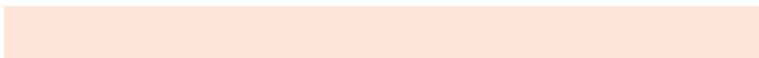
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6313, 0.3002, 0.3644



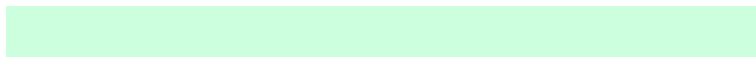
89.6313, 0.2731, 0.2836



89.6313, 0.3657, 0.3400

Complementary

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



89.6313, 0.3002, 0.3644



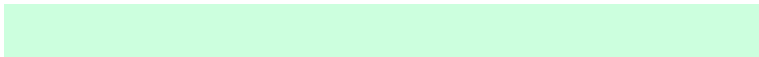
70.5523, 0.3278, 0.2961

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.



89.6313, 0.3497, 0.3167



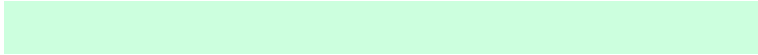
89.6313, 0.3002, 0.3644



89.6313, 0.2956, 0.2851

Square

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



89.6313, 0.3002, 0.3644



89.6313, 0.2613, 0.2937



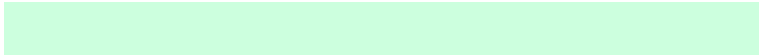
89.6313, 0.3237, 0.2971



89.6313, 0.3667, 0.3616

Rectangle

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



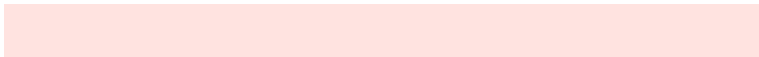
89.6313, 0.3002, 0.3644



89.6313, 0.2658, 0.3227



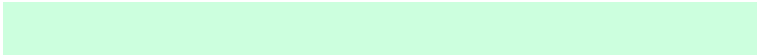
89.6313, 0.3237, 0.2971



89.6313, 0.3619, 0.3321

Sweetspot

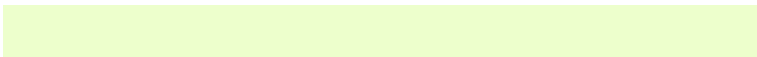
The Sweet Spot groups the original color and five complimentary colors.



89.6276, 0.3002, 0.3644



96.5913, 0.3089, 0.3387



93.9081, 0.3312, 0.3810



20.5984, 0.3085, 0.3398



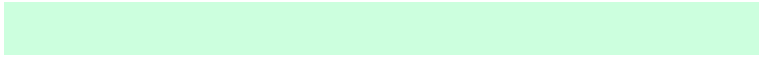
0.0000, 0.0000, 0.0000



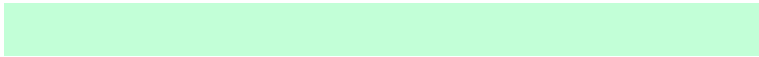
21.4041, 0.3127, 0.3290

Same Dimension

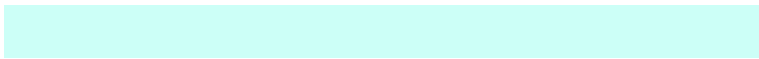
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6276, 0.3002, 0.3644



87.8890, 0.2978, 0.3725



91.0918, 0.2866, 0.3369



20.2740, 0.3067, 0.3448



37.7815, 0.2851, 0.5465



3.6985, 0.2788, 0.5238

Inverse Universe

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



70.5523, 0.3278, 0.2961



65.6615, 0.3315, 0.2892



69.1726, 0.3468, 0.3213



18.1852, 0.3192, 0.3137



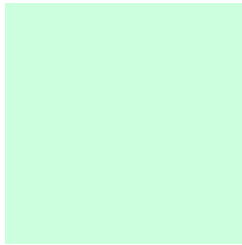
12.5589, 0.4353, 0.2172



1.2436, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 89.6313, 0.3002, 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 89.6313, 0.3002, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

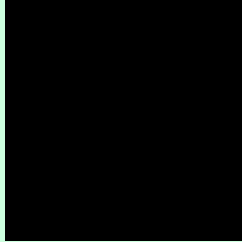
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

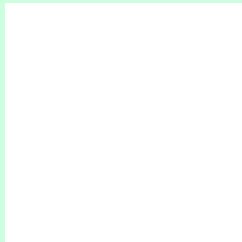
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6313, 0.3002, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 89.6313, 0.3002, 0.3644.

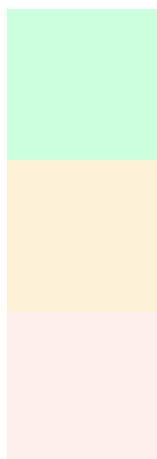


This preview shows how white text looks on a background with the Yxy color 89.6313, 0.3002, 0.3644.

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

89.6313, 0.3002, 0.3644

Protanopia

89.2932, 0.3369, 0.3559

Deuteranopia

89.0491, 0.3253, 0.3320



Tritanopia

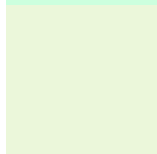
89.1828, 0.2969, 0.3189

Trichromacy



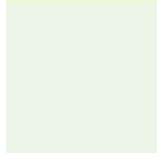
Original Color

89.6313, 0.3002, 0.3644



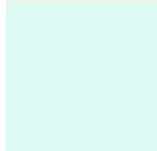
Protanomaly

89.2457, 0.3223, 0.3588



Deuteranomaly

88.9072, 0.3153, 0.3432



Tritanomaly

89.4381, 0.2982, 0.3351

Monochromacy



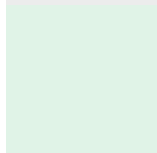
Original Color

89.6313, 0.3002, 0.3644



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7180, 0.3076, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6313, 0.3002, 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(204, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 222)  
}
```

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(204, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 89.6313, 0.3002, 0.3644 is called "border". The border property can be set on classes, ids or directly on the HTML element.

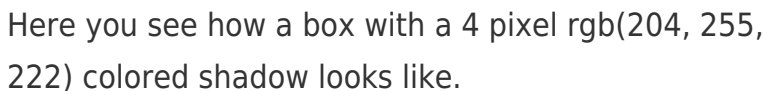
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 222) }
```

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

```
.border{ border-color:rgb(204, 255, 222) }
```

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



Here you see how a box with a 4 pixel rgb(204, 255, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6313, 0.3002, 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(204, 255, 222) }
```

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

```
.background{ background-color: rgb(204,  
255, 222) }
```

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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