

Converting Colors

Yxy(123.2401, 0.3013, 0.4079)

Have a look what the booklet for
Yxy(123.2401, 0.3013, 0.4079)
contains.

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Color

Yxy(89.9157, 0.3014, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFDE
RGB	206, 255, 222
RGB Percent	81%, 100%, 87%
CMY	0.1920, 0.0000, 0.1293
CMYK	0.19, 0.00, 0.13, 0.00
HSL	140°, 100%, 90%
HSV	140°, 19%, 100%
XYZ	74.4113, 89.9157, 82.5585
YIQ	236.5870, -18.6110, -20.6510

Conversions

Conversions Part 2

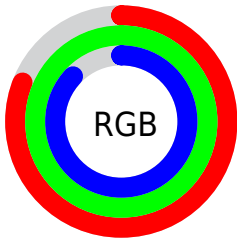
Format	Color
RYP	206, 243, 255
Decimal	13565918
CIELab	95.96, -21.77, 10.66
CIElCh	96, 24.239, 153.902
Yxy	89.9157, 0.3014, 0.3642
Android (android.graphics.Color)	4291755998 (0xFFCEFFDE)
YUV	236.5870, -7.1914, -26.8248
Hunter-Lab	94.8239, -25.8672, 14.7558

Details

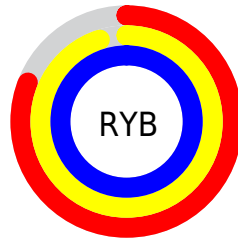
The Yxy color **89.9157, 0.3014, 0.3642** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.6587, 0.3262, 0.2962**, and the grayscale version is **84.4314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7575, 0.2986, 0.3720** is the 20% darker color. If you saturate the color by 10%, you get **85.6853, 0.2958, 0.3857**, and if you desaturate by 10%, it is **94.8396, 0.3073, 0.3449**.

Distribution



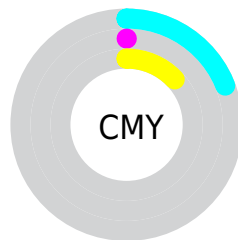
- Red (81%)
- Green (100%)
- Blue (87%)



- Red (81%)
- Yellow (95%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.9157, 0.3014, 0.3642 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 89.9157, 0.3014, 0.3642 by changing the saturation by 10% instead.


 89.9157, 0.3014,
0.3642

 89.9157, 0.3014,
0.3642


527.7566, 0.3067,
0.3481

 67.9107, 0.3002,
0.3678


147.2213, 0.3032,
0.3586

 49.8251, 0.2987,
0.3723


183.2907, 0.3039,
0.3565

 35.2745, 0.2968,
0.3779


224.8170, 0.3045,
0.3546

 23.8744, 0.2944,
0.3853

272.1847, 0.3051,
0.3530

 15.2405, 0.2910,
0.3951

325.7781, 0.3055,
0.3515

 8.9883, 0.2862,
0.4092

385.9816, 0.3060,

 4.7336, 0.2786,

0.3503

0.4307

453.1797, 0.3063,
0.3491

■ 2.0918, 0.2653,
0.4676

■ 0.6600, 0.1269,
0.8731

■ 89.9157, 0.3014,
0.3642

■ 89.9157, 0.3014,
0.3642

■ 85.6853, 0.2958,
0.3857

■ 94.8396, 0.3073,
0.3449

■ 82.1056, 0.2908,
0.4093

99.9950, 0.3127,
0.3290

■ 79.1468, 0.2866,
0.4345

■ 76.7719, 0.2836,
0.4607

■ 74.9401, 0.2821,
0.4870

■ 73.6047, 0.2823,
0.5123

■ 72.7110, 0.2842,
0.5353

■ 72.1781, 0.2876,
0.5549

■ 72.1432, 0.2879,
0.5564

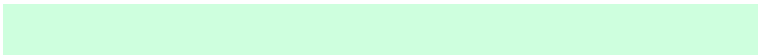
Harmonies

Analogous

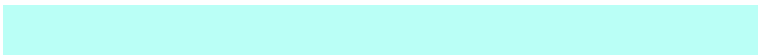
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9157, 0.3287, 0.3766



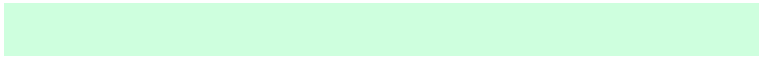
89.9157, 0.3014, 0.3642



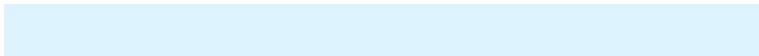
89.9157, 0.2779, 0.3411

Triad

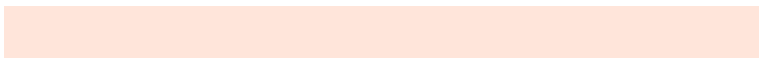
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.9157, 0.3014, 0.3642



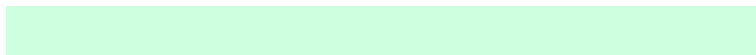
89.9157, 0.2734, 0.2848



89.9157, 0.3642, 0.3390

Complementary

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



89.9157, 0.3014, 0.3642



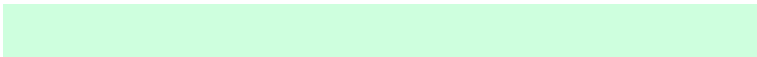
71.6587, 0.3262, 0.2962

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.



89.9157, 0.3481, 0.3163



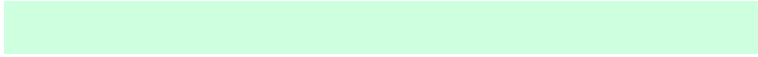
89.9157, 0.3014, 0.3642



89.9157, 0.2952, 0.2858

Square

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



89.9157, 0.3014, 0.3642



89.9157, 0.2623, 0.2951



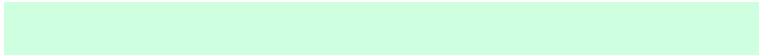
89.9157, 0.3225, 0.2972



89.9157, 0.3657, 0.3603

Rectangle

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



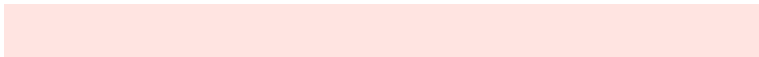
89.9157, 0.3014, 0.3642



89.9157, 0.2672, 0.3237



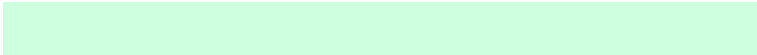
89.9157, 0.3225, 0.2972



89.9157, 0.3603, 0.3313

Sweetspot

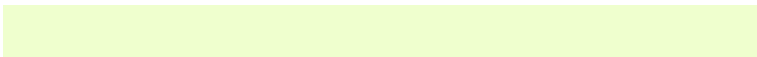
The Sweet Spot groups the original color and five complimentary colors.



89.9195, 0.3014, 0.3642



96.5667, 0.3092, 0.3391



94.4105, 0.3315, 0.3786



20.5926, 0.3088, 0.3403



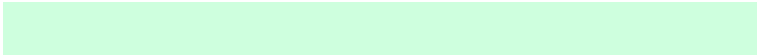
0.0000, 0.0000, 0.0000



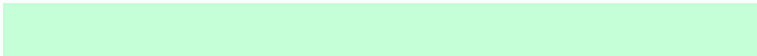
21.4041, 0.3127, 0.3290

Same Dimension

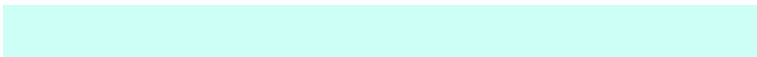
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.9195, 0.3014, 0.3642



88.2346, 0.2992, 0.3721



91.2991, 0.2885, 0.3383



20.2659, 0.3071, 0.3454



37.7233, 0.2871, 0.5535



3.6921, 0.2808, 0.5309

Inverse Universe

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



71.6587, 0.3262, 0.2962



66.9456, 0.3294, 0.2895



70.3333, 0.3439, 0.3200



18.1936, 0.3188, 0.3131



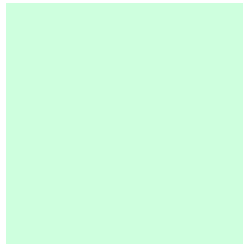
12.6890, 0.4250, 0.2115



1.2556, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 89.9157, 0.3014, 0.3642 looks on a white background.

Color Contrast Check

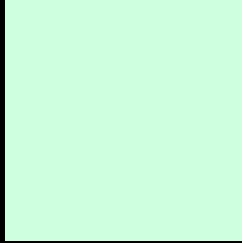
Large Text (above 18pt) WCAG AA × Fail

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 89.9157, 0.3014, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

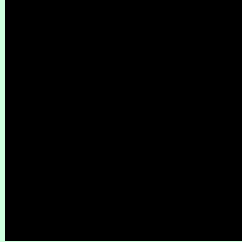
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

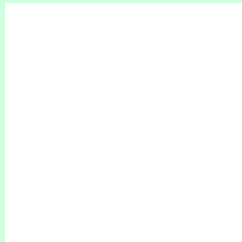
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.9157, 0.3014, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 89.9157, 0.3014, 0.3642.

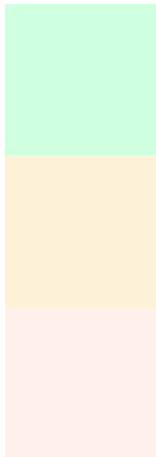


This preview shows how white text looks on a background with the Yxy color 89.9157, 0.3014, 0.3642.

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

89.9157, 0.3014, 0.3642

Protanopia

89.2932, 0.3369, 0.3559

Deuteranopia

89.6363, 0.3252, 0.3329



Tritanopia

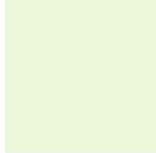
89.3478, 0.2975, 0.3189

Trichromacy



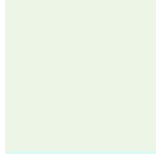
Original Color

89.9157, 0.3014, 0.3642



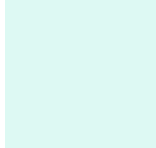
Protanomaly

89.4164, 0.3230, 0.3587



Deuteranomaly

89.0789, 0.3159, 0.3432



Tritanomaly

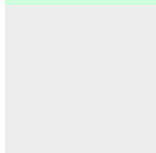
89.5946, 0.2988, 0.3351

Monochromacy



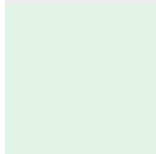
Original Color

89.9157, 0.3014, 0.3642



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.6963, 0.3083, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.9157, 0.3014, 0.3642 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(206, 255, 222)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 255, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 89.9157, 0.3014, 0.3642 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(206, 255, 222) }
```

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

```
.border{ border-color:rgb(206, 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(206, 255, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 89.9157, 0.3014, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 222) }
```

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

```
.background{ background-color: rgb(206,  
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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