

Converting Colors

Yxy(89.5014, 0.3015, 0.3671)

Have a look what the booklet for
Yxy(89.5014, 0.3015, 0.3671)
contains.

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Color

Yxy(89.5247, 0.3013, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFDC
RGB	204, 255, 220
RGB Percent	80%, 100%, 86%
CMY	0.2000, 0.0000, 0.1373
CMYK	0.20, 0.00, 0.14, 0.00
HSL	139°, 100%, 90%
HSV	139°, 20%, 100%
XYZ	73.5783, 89.5247, 81.0997
YIQ	235.7610, -19.1610, -21.6970

Conversions

Conversions Part 2

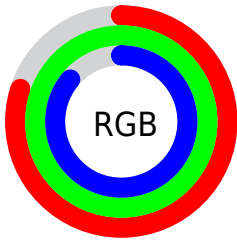
Format	Color
R _Y B	204, 243, 255
Decimal	13434844
CIE Lab	95.80, -22.79, 11.46
CIE LCh	96, 25.514, 153.301
Yxy	89.5247, 0.3013, 0.3666
Android (android.graphics.Color)	4291624924 (0xFFCCFFDC)
YUV	235.7610, -7.7702, -27.8544
Hunter-Lab	94.6175, -26.7720, 15.4129

Details

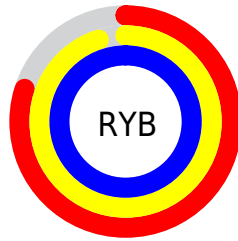
The Yxy color **89.5247, 0.3013, 0.3666** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.6797, 0.3264, 0.2942**, and the grayscale version is **83.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4943, 0.2984, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **85.3313, 0.2959, 0.3887**, and if you desaturate by 10%, it is **94.4040, 0.3070, 0.3467**.

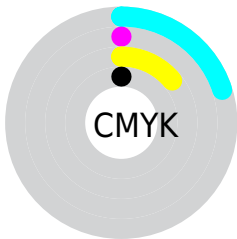
Distribution



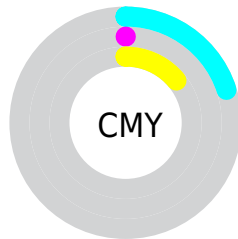
- Red (80%)
- Green (100%)
- Blue (86%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5247, 0.3013, 0.3666 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 89.5247, 0.3013, 0.3666 by changing the saturation by 10% instead.


 89.5247, 0.3013,
0.3666

 89.5247, 0.3013,
0.3666

526.4835, 0.3066,
0.3494

 67.5865, 0.3001,
0.3705


146.6780, 0.3032,
0.3606

 49.5614, 0.2986,
0.3753


182.6619, 0.3039,
0.3583

 35.0650, 0.2966,
0.3814


224.0965, 0.3045,
0.3563

 23.7130, 0.2941,
0.3893

271.3661, 0.3050,
0.3546

 15.1208, 0.2906,
0.3999

324.8553, 0.3055,
0.3530

 8.9042, 0.2856,
0.4151

384.9483, 0.3059,

 4.6788, 0.2777,

0.3517

0.4384

452.0296, 0.3063,
0.3504

■ 2.0600, 0.2636,
0.4786

■ 0.6420, 0.0773,
0.9227

■ 89.5247, 0.3013,
0.3666

■ 89.5247, 0.3013,
0.3666

■ 85.3313, 0.2959,
0.3887

■ 94.4040, 0.3070,
0.3467

■ 81.7939, 0.2911,
0.4129

100.0000, 0.3127,
0.3290

■ 78.8777, 0.2871,
0.4388

■ 76.5453, 0.2843,
0.4655

■ 74.7552, 0.2830,
0.4922

■ 73.4601, 0.2833,
0.5176

■ 72.6041, 0.2854,
0.5404

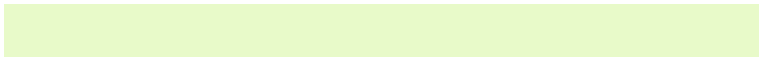
■ 72.0979, 0.2888,
0.5596

■ 72.0979, 0.2888,
0.5596

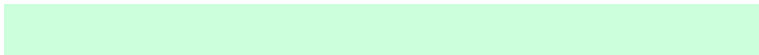
Harmonies

Analogous

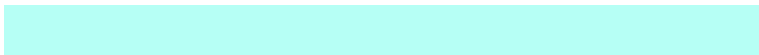
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5247, 0.3300, 0.3794



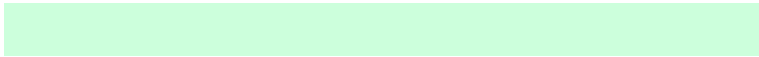
89.5247, 0.3013, 0.3666



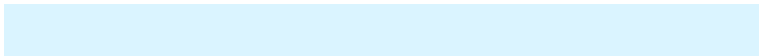
89.5247, 0.2764, 0.3423

Triad

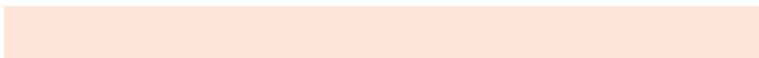
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.5247, 0.3013, 0.3666



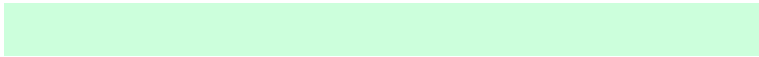
89.5247, 0.2710, 0.2825



89.5247, 0.3668, 0.3389

Complementary

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



89.5247, 0.3013, 0.3666



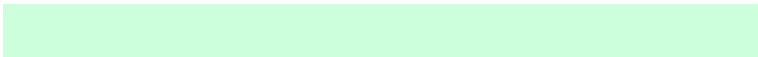
70.6797, 0.3264, 0.2942

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.



89.5247, 0.3496, 0.3151



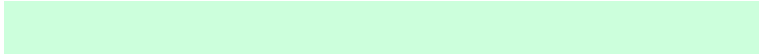
89.5247, 0.3013, 0.3666



89.5247, 0.2936, 0.2835

Square

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



89.5247, 0.3013, 0.3666



89.5247, 0.2596, 0.2935



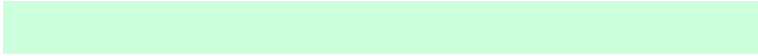
89.5247, 0.3224, 0.2953



89.5247, 0.3687, 0.3615

Rectangle

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



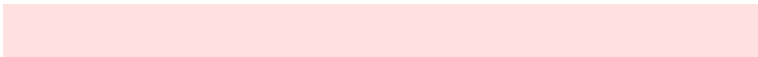
89.5247, 0.3013, 0.3666



89.5247, 0.2651, 0.3239



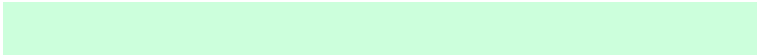
89.5247, 0.3224, 0.2953



89.5247, 0.3626, 0.3308

Sweetspot

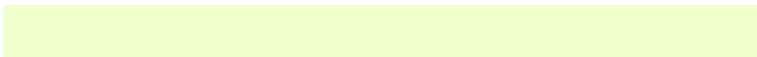
The Sweet Spot groups the original color and five complimentary colors.



89.5241, 0.3013, 0.3666



96.5546, 0.3093, 0.3393



94.3526, 0.3329, 0.3807



20.5898, 0.3089, 0.3405



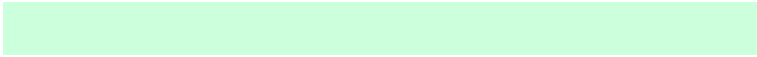
0.0000, 0.0000, 0.0000



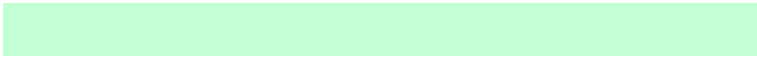
21.4041, 0.3127, 0.3290

Same Dimension

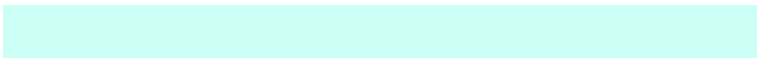
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.5241, 0.3013, 0.3666



87.7659, 0.2991, 0.3752



90.9380, 0.2880, 0.3396



20.2619, 0.3073, 0.3458



37.6963, 0.2880, 0.5567



3.6891, 0.2817, 0.5343

Inverse Universe

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



70.6797, 0.3264, 0.2942



65.8003, 0.3297, 0.2869



69.3120, 0.3448, 0.3187



18.1978, 0.3186, 0.3128



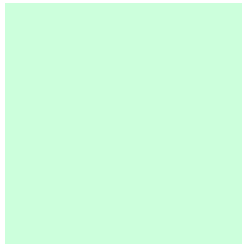
12.7561, 0.4200, 0.2087



1.2618, 0.4058, 0.2009

Previews

White Background



This preview shows how the Yxy color 89.5247, 0.3013, 0.3666 looks on a white background.

Color Contrast Check

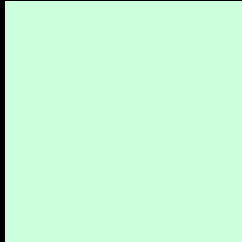
Large Text (above 18pt) WCAG AA × Fail

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 89.5247, 0.3013, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

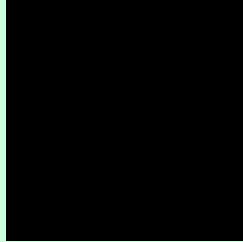
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

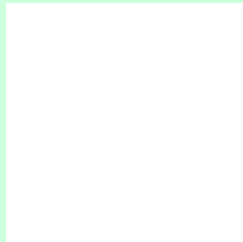
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.5247, 0.3013, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 89.5247, 0.3013, 0.3666.

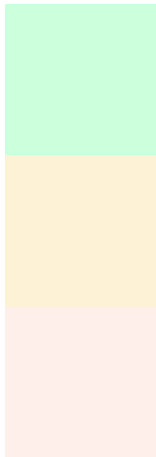


This preview shows how white text looks on a background with the Yxy color 89.5247, 0.3013, 0.3666.

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

89.5247, 0.3013, 0.3666

Protanopia

89.1910, 0.3382, 0.3579

Deuteranopia

88.9912, 0.3259, 0.3330



Tritanopia

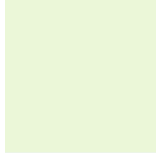
89.1828, 0.2969, 0.3189

Trichromacy



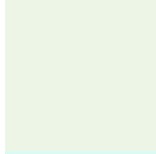
Original Color

89.5247, 0.3013, 0.3666



Protanomaly

89.1416, 0.3235, 0.3609



Deuteranomaly

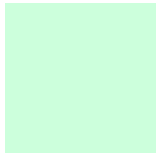
88.8509, 0.3159, 0.3443



Tritanomaly

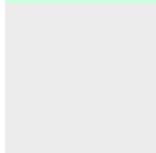
89.3778, 0.2987, 0.3362

Monochromacy



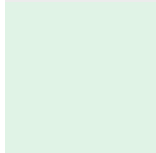
Original Color

89.5247, 0.3013, 0.3666



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.6616, 0.3082, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5247, 0.3013, 0.3666 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 89.5247, 0.3013, 0.3666 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, 220) }
```

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

```
.border{ border-color:rgb(204, 255, 220) }
```

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, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5247, 0.3013, 0.3666 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, 220) }
```

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

```
.background{ background-color: rgb(204,  
255, 220) }
```

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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