

Converting Colors

$Yxy(90.0078, 0.3033, 0.3629)$

Have a look what the booklet for
Yxy(90.0078, 0.3033, 0.3629)
contains.

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Color

Yxy(89.8592, 0.3038, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	D2FEDE
RGB	210, 254, 222
RGB Percent	82%, 100%, 87%
CMY	0.1765, 0.0039, 0.1294
CMYK	0.17, 0.00, 0.13, 0.00
HSL	136°, 96%, 91%
HSV	136°, 17%, 100%
XYZ	75.2045, 89.8592, 82.4823
YIQ	237.1960, -15.9520, -19.2800

Conversions

Conversions Part 2

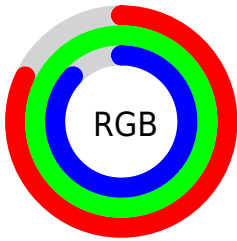
Format	Color
R _Y B	210, 245, 254
Decimal	13827806
CIE Lab	95.94, -20.04, 10.68
CIE LCh	96, 22.704, 151.942
Yxy	89.8592, 0.3038, 0.3630
Android (android.graphics.Color)	4292017886 (0xFFD2FEDE)
YUV	237.1960, -7.4916, -23.8509
Hunter-Lab	94.7941, -24.2775, 14.7664

Details

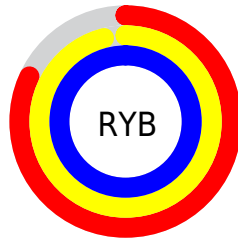
The Yxy color **89.8592, 0.3038, 0.3630** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5786, 0.3230, 0.2972**, and the grayscale version is **84.9172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6911, 0.3016, 0.3704** is the 20% darker color. If you saturate the color by 10%, you get **85.4886, 0.2988, 0.3859**, and if you desaturate by 10%, it is **94.9377, 0.3089, 0.3425**.

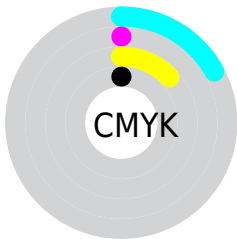
Distribution



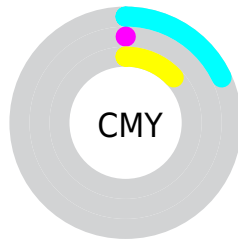
- Red (82%)
- Green (100%)
- Blue (87%)



- Red (82%)
- Yellow (96%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8592, 0.3038, 0.3630 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 89.8592, 0.3038, 0.3630 by changing the saturation by 10% instead.


 89.8592, 0.3038,
0.3630

 89.8592, 0.3038,
0.3630


527.5727, 0.3080,
0.3475

 67.8639, 0.3028,
0.3665


147.1428, 0.3053,
0.3576

 49.7870, 0.3017,
0.3708


183.1999, 0.3058,
0.3556

 35.2442, 0.3001,
0.3762


224.7130, 0.3063,
0.3537

 23.8510, 0.2982,
0.3833

272.0665, 0.3067,
0.3522

 15.2232, 0.2954,
0.3928

325.6448, 0.3071,
0.3508

 8.9761, 0.2915,
0.4063

385.8324, 0.3074,

 4.7256, 0.2853,

0.3495

0.4269

453.0136, 0.3077,
0.3484

■ 2.0872, 0.2741,
0.4623

■ 0.6574, 0.1712,
0.8288

■ 89.8592, 0.3038,
0.3630

■ 89.8592, 0.3038,
0.3630

■ 85.4886, 0.2988,
0.3859

■ 94.9377, 0.3089,
0.3425

■ 81.7832, 0.2943,
0.4111

99.3673, 0.3128,
0.3281

■ 78.7130, 0.2904,
0.4381

■ 76.2412, 0.2875,
0.4661

■ 74.3272, 0.2860,
0.4942

■ 72.9252, 0.2860,
0.5209

■ 71.9815, 0.2876,
0.5447

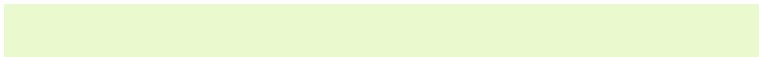
■ 71.4277, 0.2905,
0.5644

■ 71.3196, 0.2914,
0.5690

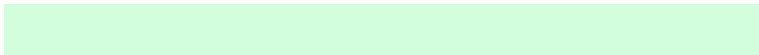
Harmonies

Analogous

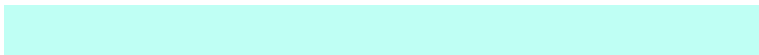
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8592, 0.3294, 0.3738



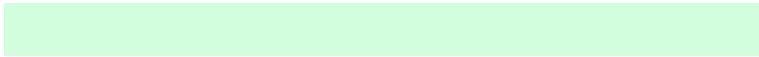
89.8592, 0.3038, 0.3630



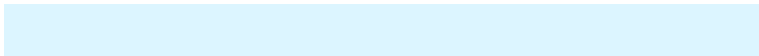
89.8592, 0.2813, 0.3419

Triad

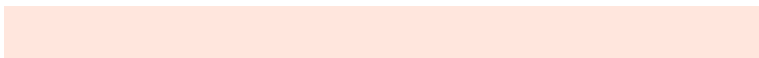
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8592, 0.3038, 0.3630



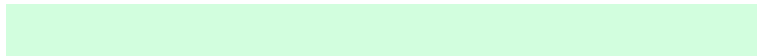
89.8592, 0.2748, 0.2878



89.8592, 0.3603, 0.3371

Complementary

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



89.8592, 0.3038, 0.3630



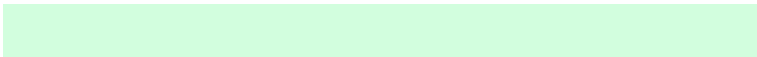
73.5786, 0.3230, 0.2972

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.



89.8592, 0.3445, 0.3158



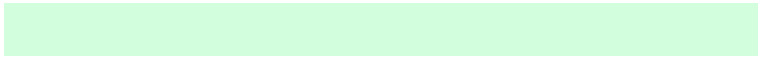
89.8592, 0.3038, 0.3630



89.8592, 0.2947, 0.2880

Square

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



89.8592, 0.3038, 0.3630



89.8592, 0.2651, 0.2982



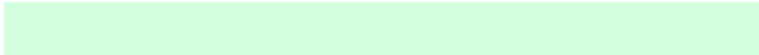
89.8592, 0.3202, 0.2982



89.8592, 0.3627, 0.3573

Rectangle

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



89.8592, 0.3038, 0.3630



89.8592, 0.2708, 0.3257



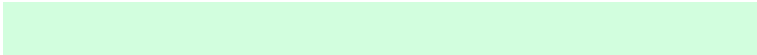
89.8592, 0.3202, 0.2982



89.8592, 0.3564, 0.3298

Sweetspot

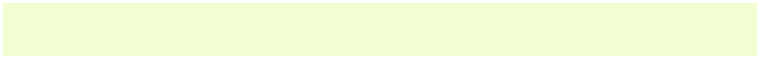
The Sweet Spot groups the original color and five complimentary colors.



89.8630, 0.3038, 0.3630



97.0784, 0.3101, 0.3381



94.4659, 0.3311, 0.3733



20.6941, 0.3098, 0.3394



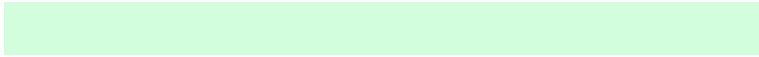
0.0000, 0.0000, 0.0000



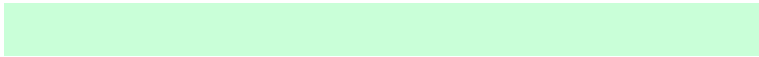
21.4041, 0.3127, 0.3290

Same Dimension

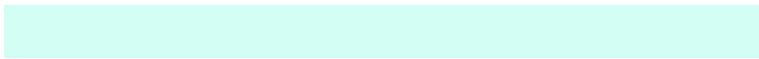
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8630, 0.3038, 0.3630



88.9600, 0.3019, 0.3712



91.1052, 0.2919, 0.3396



20.2495, 0.3078, 0.3468



37.6197, 0.2906, 0.5663



3.6803, 0.2846, 0.5446

Inverse Universe

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



73.5786, 0.3230, 0.2972



69.5590, 0.3256, 0.2903



72.3485, 0.3386, 0.3187



18.2109, 0.3180, 0.3119



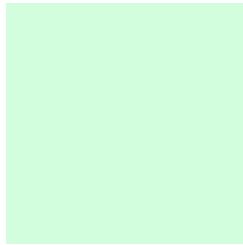
12.9769, 0.4046, 0.2003



1.2819, 0.3928, 0.1938

Previews

White Background



This preview shows how the Yxy color 89.8592, 0.3038, 0.3630 looks on a white background.

Color Contrast Check

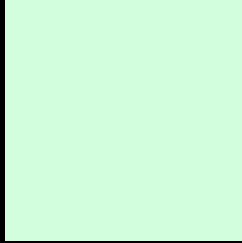
Large Text (above 18pt) WCAG AA × Fail

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 89.8592, 0.3038, 0.3630 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

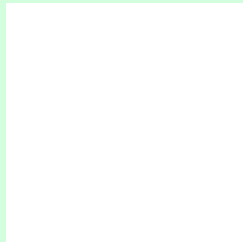
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8592, 0.3038, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 89.8592, 0.3038, 0.3630.

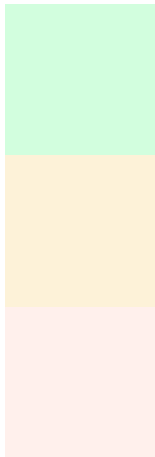


This preview shows how white text looks on a background with the Yxy color 89.8592, 0.3038, 0.3630.

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

89.8592, 0.3038, 0.3630

Protanopia

89.3448, 0.3363, 0.3549

Deuteranopia

89.6363, 0.3252, 0.3329



Tritanopia

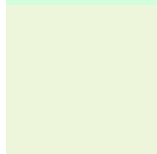
89.5137, 0.2981, 0.3190

Trichromacy



Original Color

89.8592, 0.3038, 0.3630



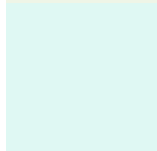
Protanomaly

88.9780, 0.3237, 0.3577



Deuteranomaly

89.4251, 0.3172, 0.3431



Tritanomaly

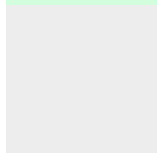
89.2938, 0.3000, 0.3341

Monochromacy



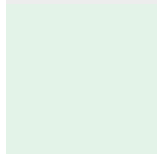
Original Color

89.8592, 0.3038, 0.3630



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.2583, 0.3090, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8592, 0.3038, 0.3630 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(210, 254, 222)` looks like.

```
.text, #text, p{  
    color:rgb(210, 254, 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(210, 254, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 254, 222) }
```

Border

The CSS property to change the border of an element to Yxy 89.8592, 0.3038, 0.3630 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(210, 254, 222) }
```

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

```
.border{ border-color:rgb(210, 254, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 254, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 254, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 254, 222);  
box-shadow:4px 4px 4px 4px rgb(210, 254,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8592, 0.3038, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 254, 222) }
```

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

```
.background{ background-color: rgb(210,  
254, 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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