

Converting Colors

$Y_{xy}(110.8722, 0.3008, 0.3988)$

Have a look what the booklet for
Yxy(110.8722, 0.3008, 0.3988)
contains.

Yxy(89.1385, 0.3012, 0.3689)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(89.1385, 0.3012, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFDA
RGB	202, 255, 218
RGB Percent	79%, 100%, 85%
CMY	0.2077, 0.0000, 0.1450
CMYK	0.21, 0.00, 0.14, 0.00
HSL	138°, 100%, 90%
HSV	138°, 21%, 100%
XYZ	72.7799, 89.1385, 79.7148
YIQ	234.9350, -19.7110, -22.7430

Conversions

Conversions Part 2

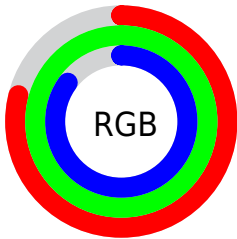
Format	Color
R _Y B	202, 243, 255
Decimal	13303770
CIE Lab	95.64, -23.77, 12.22
CIE LCh	96, 26.726, 152.782
Yxy	89.1385, 0.3012, 0.3689
Android (android.graphics.Color)	4291493850 (0xFFCAFFDA)
YUV	234.9350, -8.3490, -28.8840
Hunter-Lab	94.4132, -27.6235, 16.0296

Details

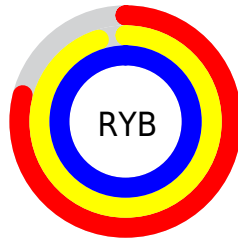
The Yxy color **89.1385, 0.3012, 0.3689** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.7465, 0.3265, 0.2922**, and the grayscale version is **83.1090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.2356, 0.2983, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **84.9910, 0.2960, 0.3916**, and if you desaturate by 10%, it is **93.9813, 0.3067, 0.3485**.

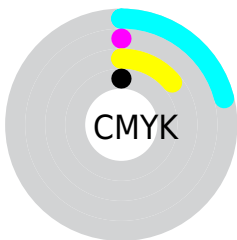
Distribution



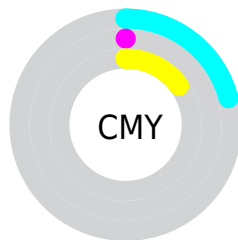
- Red (79%)
- Green (100%)
- Blue (85%)



- Red (79%)
- Yellow (95%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.1385, 0.3012, 0.3689 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 89.1385, 0.3012, 0.3689 by changing the saturation by 10% instead.


 89.1385, 0.3012,
0.3689

 89.1385, 0.3012,
0.3689


525.2244, 0.3066,
0.3506

 67.2663, 0.3000,
0.3731


146.1412, 0.3031,
0.3626

 49.3011, 0.2984,
0.3782


182.0404, 0.3038,
0.3601

 34.8584, 0.2964,
0.3847


223.3842, 0.3044,
0.3580

 23.5538, 0.2938,
0.3931

270.5569, 0.3050,
0.3561

 15.0030, 0.2902,
0.4045

323.9429, 0.3055,
0.3545

 8.8215, 0.2850,
0.4208

383.9265, 0.3059,

 4.6249, 0.2768,

0.3530

0.4459

450.8922, 0.3063,
0.3517

■ 2.0289, 0.2618,
0.4893

■ 0.6242, 0.0206,
0.9794

■ 89.1385, 0.3012,
0.3689

■ 89.1385, 0.3012,
0.3689

■ 84.9910, 0.2960,
0.3916

■ 93.9813, 0.3067,
0.3485

■ 81.4956, 0.2913,
0.4164

■ 99.5380, 0.3123,
0.3303

■ 78.6214, 0.2875,
0.4427

■ 99.9983, 0.3127,
0.3290

■ 76.3306, 0.2849,
0.4699

■ 74.5811, 0.2837,
0.4969

■ 73.3248, 0.2843,
0.5223

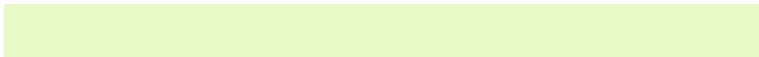
■ 72.5048, 0.2865,
0.5449

■ 72.0542, 0.2895,
0.5624

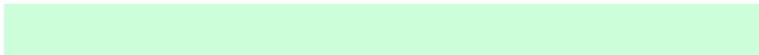
Harmonies

Analogous

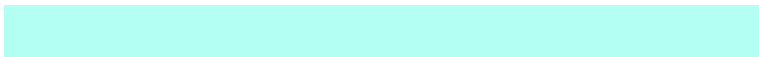
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1385, 0.3313, 0.3820



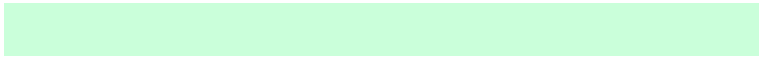
89.1385, 0.3012, 0.3689



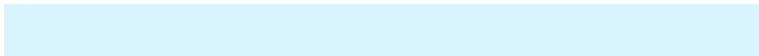
89.1385, 0.2750, 0.3434

Triad

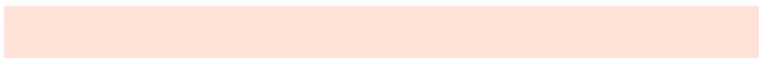
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1385, 0.3012, 0.3689



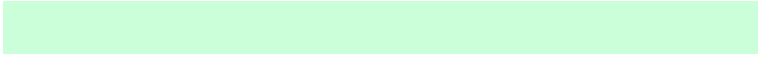
89.1385, 0.2687, 0.2804



89.1385, 0.3693, 0.3388

Complementary

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



89.1385, 0.3012, 0.3689



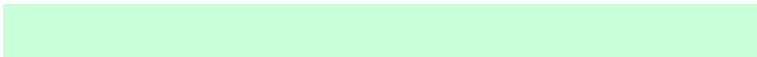
69.7465, 0.3265, 0.2922

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.



89.1385, 0.3509, 0.3140



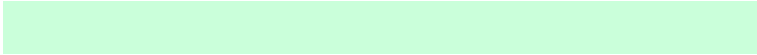
89.1385, 0.3012, 0.3689



89.1385, 0.2922, 0.2813

Square

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



89.1385, 0.3012, 0.3689



89.1385, 0.2570, 0.2921



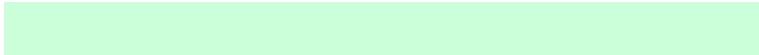
89.1385, 0.3223, 0.2934



89.1385, 0.3716, 0.3626

Rectangle

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



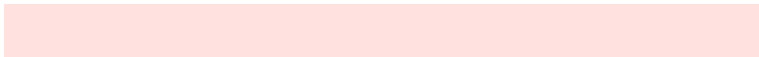
89.1385, 0.3012, 0.3689



89.1385, 0.2631, 0.3241



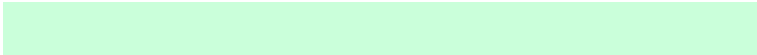
89.1385, 0.3223, 0.2934



89.1385, 0.3648, 0.3304

Sweetspot

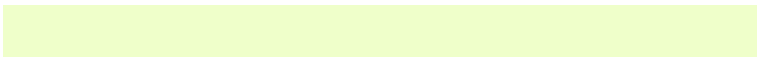
The Sweet Spot groups the original color and five complimentary colors.



89.1422, 0.3012, 0.3689



96.5439, 0.3094, 0.3395



94.1534, 0.3336, 0.3828



20.5873, 0.3090, 0.3407



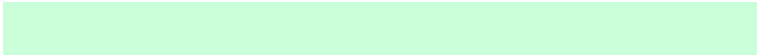
0.0000, 0.0000, 0.0000



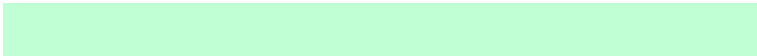
21.4041, 0.3127, 0.3290

Same Dimension

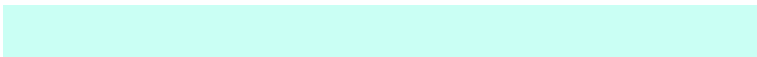
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1422, 0.3012, 0.3689



87.3070, 0.2989, 0.3782



90.6352, 0.2871, 0.3401



20.2585, 0.3074, 0.3460



37.6737, 0.2888, 0.5595



3.6865, 0.2826, 0.5372

Inverse Universe

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



69.7465, 0.3265, 0.2922



64.6723, 0.3300, 0.2844



68.2993, 0.3464, 0.3183



18.2014, 0.3185, 0.3125



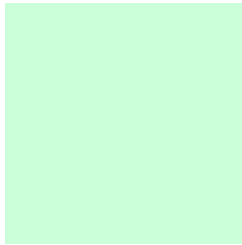
12.8160, 0.4156, 0.2063



1.2672, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 89.1385, 0.3012, 0.3689 looks on a white background.

Color Contrast Check

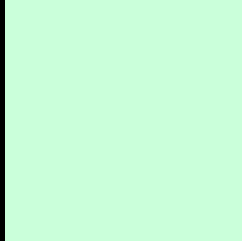
Large Text (above 18pt) WCAG AA × Fail

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 89.1385, 0.3012, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

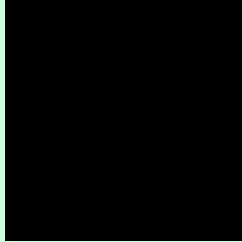
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

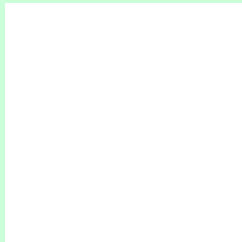
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.1385, 0.3012, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 89.1385, 0.3012, 0.3689.

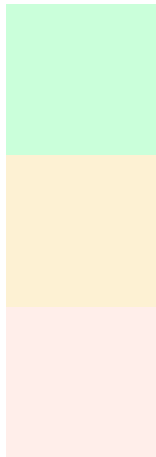


This preview shows how white text looks on a background with the Yxy color 89.1385, 0.3012, 0.3689.

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

89.1385, 0.3012, 0.3689

Protanopia

88.4964, 0.3396, 0.3590

Deuteranopia

88.3496, 0.3266, 0.3330



Tritanopia

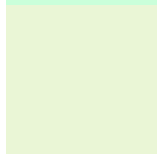
88.8557, 0.2956, 0.3189

Trichromacy



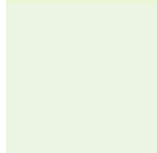
Original Color

89.1385, 0.3012, 0.3689



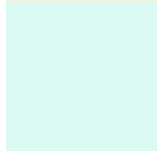
Protanomaly

88.2590, 0.3242, 0.3621



Deuteranomaly

88.1357, 0.3172, 0.3453



Tritanomaly

89.0676, 0.2975, 0.3362

Monochromacy



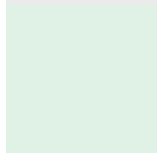
Original Color

89.1385, 0.3012, 0.3689



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8494, 0.3082, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.1385, 0.3012, 0.3689 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(202, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 218)  
}
```

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(202, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 89.1385, 0.3012, 0.3689 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(202, 255, 218) }
```

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

```
.border{ border-color:rgb(202, 255, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 89.1385, 0.3012, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 218) }
```

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

```
.background{ background-color: rgb(202,  
255, 218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor