

Converting Colors

$Y_{xy}(89.9050, 0.2994, 0.3616)$

Have a look what the booklet for
Yxy(89.9050, 0.2994, 0.3616)
contains.

Yxy(89.8810, 0.2997, 0.3621)	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(89.8810, 0.2997, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	CDFFE0
RGB	205, 255, 224
RGB Percent	80%, 100%, 88%
CMY	0.1961, 0.0000, 0.1216
CMYK	0.20, 0.00, 0.12, 0.00
HSL	143°, 100%, 90%
HSV	143°, 20%, 100%
XYZ	74.3920, 89.8810, 83.9485
YIQ	236.5160, -19.8490, -20.2410

Conversions

Conversions Part 2

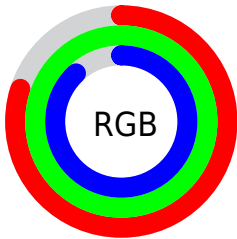
Format	Color
R _Y B	205, 241, 255
Decimal	13500384
CIE Lab	95.95, -21.75, 9.62
CIE LCh	96, 23.779, 156.135
Yxy	89.8810, 0.2997, 0.3621
Android (android.graphics.Color)	4291690464 (0xFFCDDFE0)
YUV	236.5160, -6.1704, -27.6395
Hunter-Lab	94.8056, -25.8445, 13.8638

Details

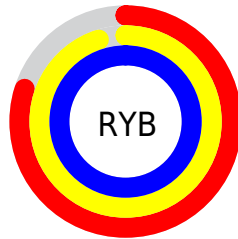
The Yxy color **89.8810, 0.2997, 0.3621** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.9813, 0.3284, 0.2981**, and the grayscale version is **84.3571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7368, 0.2965, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **85.7274, 0.2935, 0.3819**, and if you desaturate by 10%, it is **94.7068, 0.3063, 0.3443**.

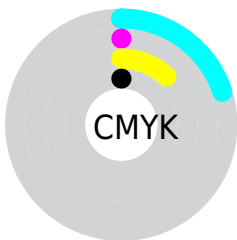
Distribution



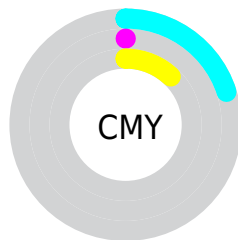
- Red (80%)
- Green (100%)
- Blue (88%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8810, 0.2997, 0.3621 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 89.8810, 0.2997, 0.3621 by changing the saturation by 10% instead.


 89.8810, 0.2997,
0.3621

 89.8810, 0.2997,
0.3621


527.6437, 0.3057,
0.3470

 67.8819, 0.2983,
0.3655

147.1731, 0.3018,
0.3569

 49.8017, 0.2967,
0.3697


183.2349, 0.3026,
0.3548

 35.2559, 0.2946,
0.3750


224.7531, 0.3033,
0.3531

 23.8600, 0.2918,
0.3818

272.1121, 0.3039,
0.3516

 15.2298, 0.2881,
0.3911

325.6963, 0.3044,
0.3502

 8.9808, 0.2828,
0.4042

385.8900, 0.3049,

 4.7287, 0.2746,

0.3490

0.4243

453.0776, 0.3053,
0.3479

■ 2.0890, 0.2604,
0.4588

■ 0.6584, 0.1190,
0.8254

■ 89.8810, 0.2997,
0.3621

■ 89.8810, 0.2997,
0.3621

■ 85.7274, 0.2935,
0.3819

■ 94.7068, 0.3063,
0.3443

■ 82.2131, 0.2879,
0.4035

100.0000, 0.3127,
0.3290

■ 79.3056, 0.2832,
0.4267

■ 76.9685, 0.2799,
0.4510

■ 75.1616, 0.2781,
0.4754

■ 73.8388, 0.2782,
0.4993

■ 72.9459, 0.2802,
0.5215

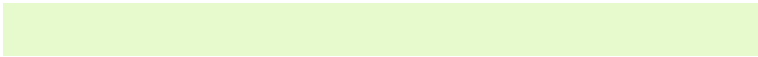
■ 72.3992, 0.2837,
0.5412

■ 72.3810, 0.2839,
0.5420

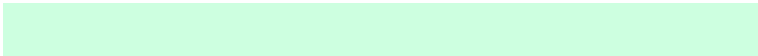
Harmonies

Analogous

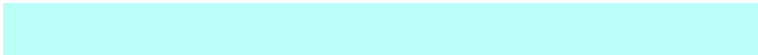
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8810, 0.3264, 0.3752



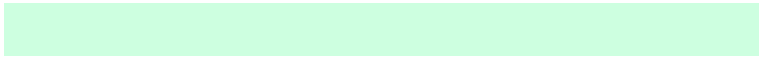
89.8810, 0.2997, 0.3621



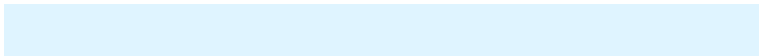
89.8810, 0.2771, 0.3390

Triad

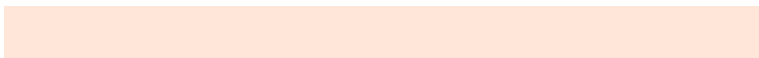
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8810, 0.2997, 0.3621



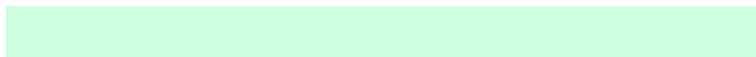
89.8810, 0.2754, 0.2853



89.8810, 0.3638, 0.3405

Complementary

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



89.8810, 0.2997, 0.3621



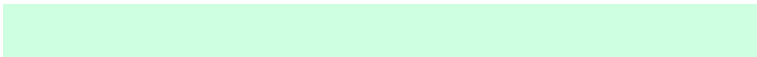
70.9813, 0.3284, 0.2981

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.



89.8810, 0.3490, 0.3181



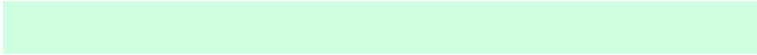
89.8810, 0.2997, 0.3621



89.8810, 0.2974, 0.2871

Square

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



89.8810, 0.2997, 0.3621



89.8810, 0.2636, 0.2946



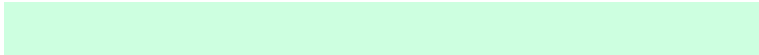
89.8810, 0.3243, 0.2990



89.8810, 0.3642, 0.3611

Rectangle

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



89.8810, 0.2997, 0.3621



89.8810, 0.2672, 0.3220



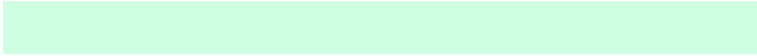
89.8810, 0.3243, 0.2990



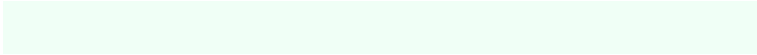
89.8810, 0.3604, 0.3330

Sweetspot

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



89.8817, 0.2997, 0.3621



96.6168, 0.3087, 0.3383



93.8755, 0.3303, 0.3800



20.6045, 0.3083, 0.3394



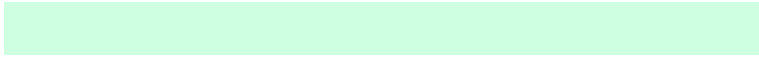
0.0000, 0.0000, 0.0000



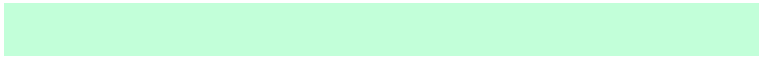
21.4041, 0.3127, 0.3290

Same Dimension

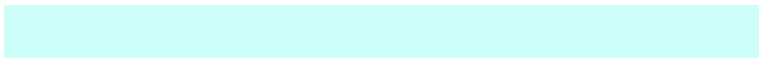
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8817, 0.2997, 0.3621



87.9755, 0.2969, 0.3706



91.2979, 0.2867, 0.3359



20.2824, 0.3063, 0.3441



37.8474, 0.2830, 0.5389



3.7055, 0.2767, 0.5162

Inverse Universe

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



70.9813, 0.3284, 0.2981



65.5664, 0.3328, 0.2908



69.6619, 0.3466, 0.3223



18.1765, 0.3197, 0.3144



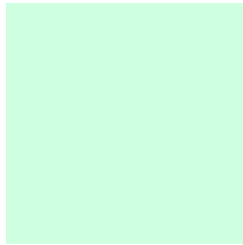
12.4307, 0.4462, 0.2232



1.2316, 0.4280, 0.2132

Previews

White Background



This preview shows how the Yxy color 89.8810, 0.2997, 0.3621 looks on a white background.

Color Contrast Check

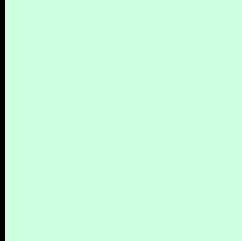
Large Text (above 18pt) WCAG AA × Fail

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 89.8810, 0.2997, 0.3621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

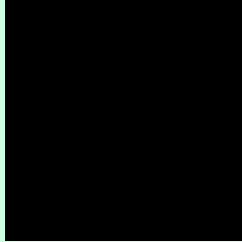
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

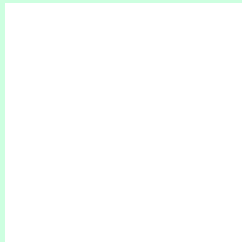
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8810, 0.2997, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 89.8810, 0.2997, 0.3621.

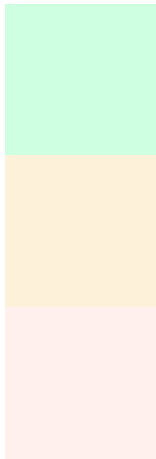


This preview shows how white text looks on a background with the Yxy color 89.8810, 0.2997, 0.3621.

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

89.8810, 0.2997, 0.3621

Protanopia

89.3967, 0.3356, 0.3539

Deuteranopia

89.1074, 0.3246, 0.3310



Tritanopia

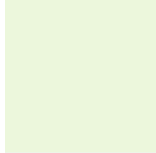
89.3478, 0.2975, 0.3189

Trichromacy



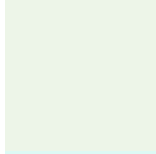
Original Color

89.8810, 0.2997, 0.3621



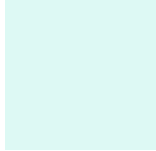
Protanomaly

89.5217, 0.3218, 0.3566



Deuteranomaly

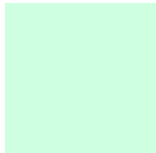
89.1355, 0.3153, 0.3422



Tritanomaly

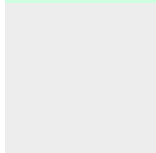
89.6552, 0.2982, 0.3341

Monochromacy



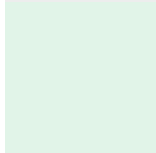
Original Color

89.8810, 0.2997, 0.3621



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.5351, 0.3076, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8810, 0.2997, 0.3621 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(205, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 224)  
}
```

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(205, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 89.8810, 0.2997, 0.3621 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(205, 255, 224) }
```

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

```
.border{ border-color:rgb(205, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(205, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(205, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8810, 0.2997, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 224) }
```

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

```
.background{ background-color: rgb(205,  
255, 224) }
```

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