

Converting Colors

$Yxy(89.8566, 0.2981, 0.3601)$

Have a look what the booklet for
Yxy(89.8566, 0.2981, 0.3601)
contains.

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Color

Yxy(89.8484, 0.2980, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFE2
RGB	204, 255, 226
RGB Percent	80%, 100%, 89%
CMY	0.2002, 0.0000, 0.1138
CMYK	0.20, 0.00, 0.11, 0.00
HSL	146°, 100%, 90%
HSV	146°, 20%, 100%
XYZ	74.3745, 89.8484, 85.3560
YIQ	236.4450, -21.0870, -19.8310

Conversions

Conversions Part 2

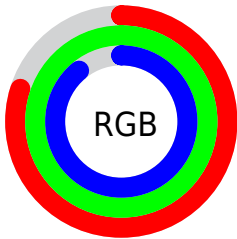
Format	Color
RYB	204, 240, 255
Decimal	13434850
CIELab	95.93, -21.72, 8.58
CIELCh	96, 23.356, 158.453
Yxy	89.8484, 0.2980, 0.3600
Android (android.graphics.Color)	4291624930 (0xFFCCFFE2)
YUV	236.4450, -5.1494, -28.4543
Hunter-Lab	94.7884, -25.8219, 12.9618

Details

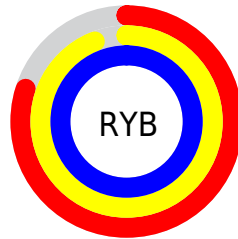
The Yxy color **89.8484, 0.2980, 0.3600** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.2997, 0.3308, 0.3000**, and the grayscale version is **84.2752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7180, 0.2944, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **85.7648, 0.2912, 0.3781**, and if you desaturate by 10%, it is **94.5703, 0.3053, 0.3436**.

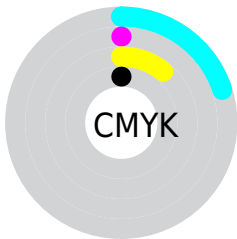
Distribution



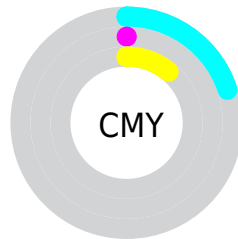
- Red (80%)
- Green (100%)
- Blue (89%)



- Red (80%)
- Yellow (94%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8484, 0.2980, 0.3600 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 89.8484, 0.2980, 0.3600 by changing the saturation by 10% instead.

 89.8484, 0.2980,
0.3600

 89.8484, 0.2980,
0.3600

527.5376, 0.3047,
0.3459

 67.8549, 0.2965,
0.3632


147.1278, 0.3003,
0.3551

 49.7797, 0.2946,
0.3671


183.1825, 0.3012,
0.3532

 35.2384, 0.2923,
0.3720

224.6931, 0.3020,
0.3516

 23.8466, 0.2893,
0.3784

272.0439, 0.3027,
0.3501

 15.2198, 0.2852,
0.3870

325.6193, 0.3033,
0.3489

 8.9738, 0.2794,
0.3993

385.8038, 0.3038,

 4.7241, 0.2705,

0.3478

0.4179

452.9818, 0.3043,
0.3468

■ 2.0863, 0.2554,
0.4499

■ 0.6569, 0.1086,
0.7581

■ 89.8484, 0.2980,
0.3600

■ 89.8484, 0.2980,
0.3600

■ 85.7648, 0.2912,
0.3781

■ 94.5703, 0.3053,
0.3436

■ 82.3173, 0.2850,
0.3979

99.9870, 0.3127,
0.3290

■ 79.4638, 0.2799,
0.4191

100.0000, 0.3127,
0.3290

■ 77.1684, 0.2762,
0.4413

■ 75.3912, 0.2742,
0.4639

■ 74.0866, 0.2742,
0.4861

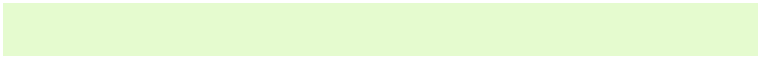
■ 73.2005, 0.2761,
0.5072

■ 72.6468, 0.2796,
0.5265

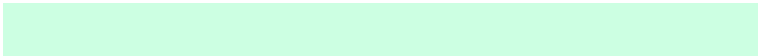
Harmonies

Analogous

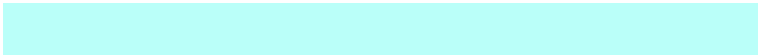
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8484, 0.3242, 0.3739



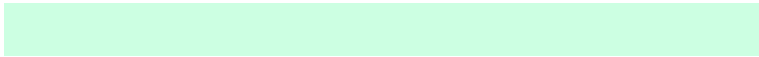
89.8484, 0.2980, 0.3600



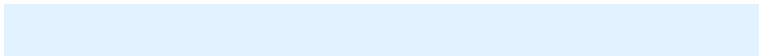
89.8484, 0.2764, 0.3369

Triad

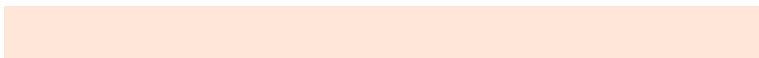
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8484, 0.2980, 0.3600



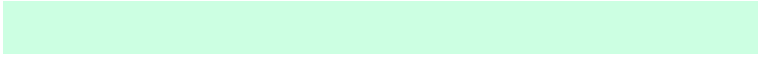
89.8484, 0.2774, 0.2858



89.8484, 0.3635, 0.3420

Complementary

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



89.8484, 0.2980, 0.3600



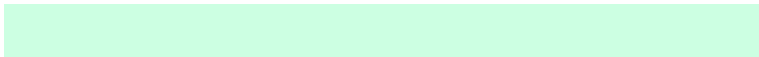
70.2997, 0.3308, 0.3000

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.



89.8484, 0.3499, 0.3200



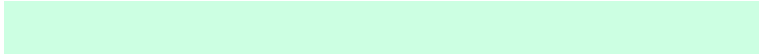
89.8484, 0.2980, 0.3600



89.8484, 0.2996, 0.2884

Square

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



89.8484, 0.2980, 0.3600



89.8484, 0.2649, 0.2941



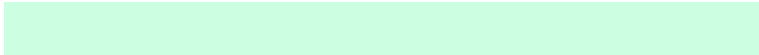
89.8484, 0.3262, 0.3007



89.8484, 0.3627, 0.3619

Rectangle

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



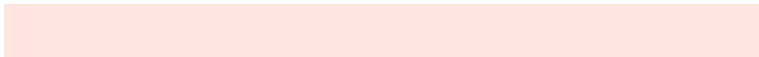
89.8484, 0.2980, 0.3600



89.8484, 0.2672, 0.3203



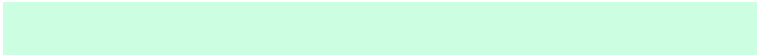
89.8484, 0.3262, 0.3007



89.8484, 0.3604, 0.3346

Sweetspot

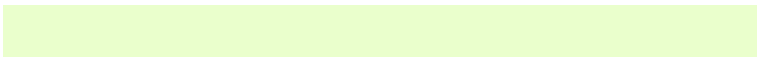
The Sweet Spot groups the original color and five complimentary colors.



89.8390, 0.2980, 0.3600



96.6652, 0.3082, 0.3375



93.3230, 0.3290, 0.3814



20.6159, 0.3078, 0.3385



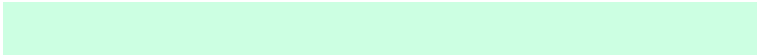
0.0000, 0.0000, 0.0000



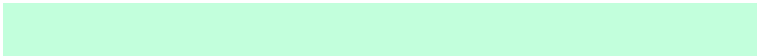
21.4041, 0.3127, 0.3290

Same Dimension

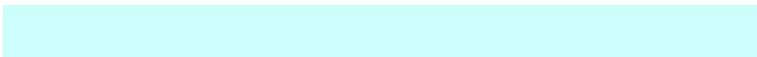
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8390, 0.2980, 0.3600



88.1414, 0.2952, 0.3670



91.2982, 0.2849, 0.3333



20.2983, 0.3056, 0.3428



37.9881, 0.2787, 0.5234



3.7202, 0.2726, 0.5012

Inverse Universe

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



70.2997, 0.3308, 0.3000



65.3888, 0.3352, 0.2939



68.9822, 0.3495, 0.3248



18.1601, 0.3205, 0.3156



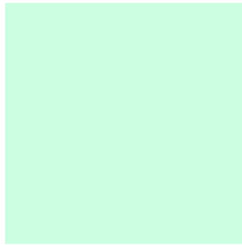
12.2068, 0.4675, 0.2349



1.2105, 0.4461, 0.2231

Previews

White Background



This preview shows how the Yxy color 89.8484, 0.2980, 0.3600 looks on a white background.

Color Contrast Check

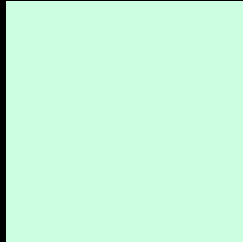
Large Text (above 18pt) WCAG AA × Fail

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 89.8484, 0.2980, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

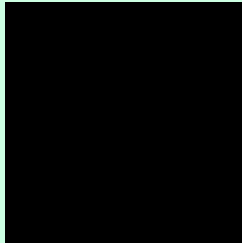
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

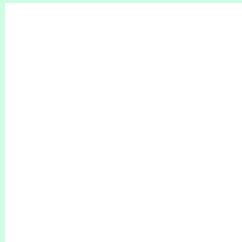
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8484, 0.2980, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 89.8484, 0.2980, 0.3600.

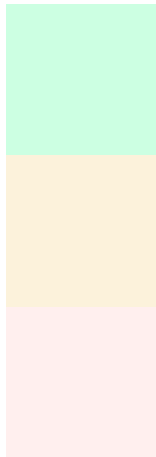


This preview shows how white text looks on a background with the Yxy color 89.8484, 0.2980, 0.3600.

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

89.8484, 0.2980, 0.3600

Protanopia

89.3142, 0.3337, 0.3519

Deuteranopia

89.1661, 0.3240, 0.3300



Tritanopia

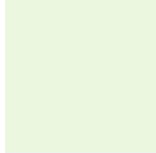
89.7895, 0.2969, 0.3199

Trichromacy



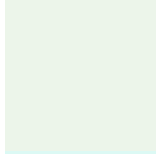
Original Color

89.8484, 0.2980, 0.3600



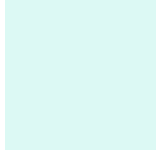
Protanomaly

89.4576, 0.3199, 0.3546



Deuteranomaly

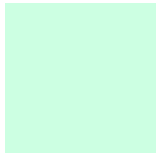
89.0782, 0.3135, 0.3401



Tritanomaly

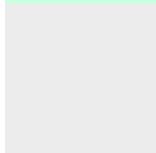
89.4987, 0.2976, 0.3341

Monochromacy



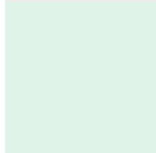
Original Color

89.8484, 0.2980, 0.3600



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.7747, 0.3070, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8484, 0.2980, 0.3600 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 226) }
```

Border

The CSS property to change the border of an element to Yxy 89.8484, 0.2980, 0.3600 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, 226) }
```

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

```
.border{ border-color:rgb(204, 255, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8484, 0.2980, 0.3600 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, 226) }
```

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

```
.background{ background-color: rgb(204,  
255, 226) }
```

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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