

Converting Colors

$Y_{xy}(100.0000, 0.3074, 0.3936)$

Have a look what the booklet for
Yxy(100.0000, 0.3074, 0.3936)
contains.

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Color

Yxy(89.2950, 0.3080, 0.3776)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFD2
RGB	206, 255, 210
RGB Percent	81%, 100%, 82%
CMY	0.1923, 0.0000, 0.1766
CMYK	0.19, 0.00, 0.18, 0.00
HSL	125°, 100%, 90%
HSV	125°, 19%, 100%
XYZ	72.8360, 89.2950, 74.3494
YIQ	235.2190, -14.7590, -24.3830

Conversions

Conversions Part 2

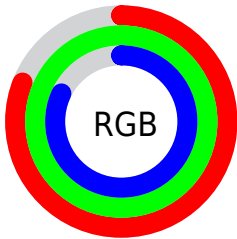
Format	Color
R_{YB}	206, 251, 255
Decimal	13565906
CIE _{Lab}	95.70, -23.93, 16.47
CIE _{LCh}	96, 29.053, 145.454
Yxy	89.2950, 0.3080, 0.3776
Android (android.graphics.Color)	4291755986 (0xFFCEFFD2)
YUV	235.2190, -12.4330, -25.6251
Hunter-Lab	94.4960, -27.7832, 19.4979

Details

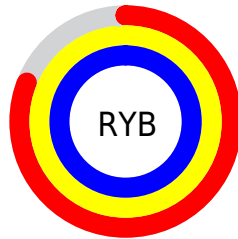
The Yxy color **89.2950, 0.3080, 0.3776** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.3506, 0.3177, 0.2848**, and the grayscale version is **83.3466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3340, 0.3068, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **84.8480, 0.3055, 0.4074**, and if you desaturate by 10%, it is **94.4919, 0.3105, 0.3508**.

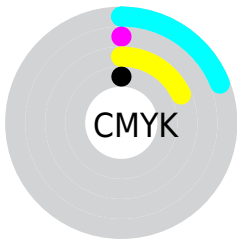
Distribution



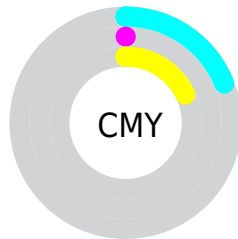
- Red (81%)
- Green (100%)
- Blue (82%)



- Red (81%)
- Yellow (98%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.2950, 0.3080, 0.3776 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 89.2950, 0.3080, 0.3776 by changing the saturation by 10% instead.


 89.2950, 0.3080,
0.3776

 89.2950, 0.3080,
0.3776


525.7348, 0.3105,
0.3552

 67.3961, 0.3074,
0.3827


146.3587, 0.3089,
0.3698

 49.4066, 0.3066,
0.3890

182.2923, 0.3093,
0.3668

 34.9421, 0.3055,
0.3969


223.6729, 0.3095,
0.3642

 23.6183, 0.3040,
0.4073

270.8849, 0.3098,
0.3619

 15.0507, 0.3018,
0.4213

324.3127, 0.3100,
0.3599

 8.8550, 0.2983,
0.4413

384.3407, 0.3102,

 4.6467, 0.2923,

0.3582

0.4722

451.3533, 0.3103,
0.3566

■ 2.0415, 0.2813,
0.5273

■ 0.6314, 0.0247,
0.9753

■ 89.2950, 0.3080,
0.3776

■ 89.2950, 0.3080,
0.3776

■ 84.8480, 0.3055,
0.4074

■ 94.4919, 0.3105,
0.3508

■ 81.1344, 0.3030,
0.4399

100.0000, 0.3127,
0.3290

■ 78.1089, 0.3008,
0.4738

■ 75.7290, 0.2991,
0.5074

■ 73.9477, 0.2980,
0.5386

■ 72.7115, 0.2976,
0.5648

■ 71.9571, 0.2980,
0.5840

■ 71.5931, 0.2989,
0.5954

■ 71.5735, 0.2989,
0.5960

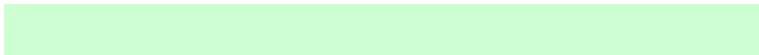
Harmonies

Analogous

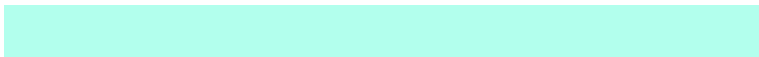
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2950, 0.3405, 0.3876



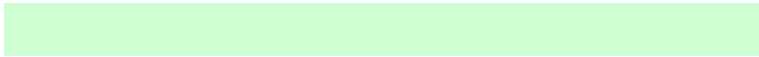
89.2950, 0.3080, 0.3776



89.2950, 0.2779, 0.3522

Triad

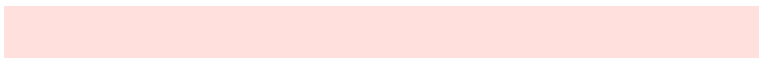
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.2950, 0.3080, 0.3776



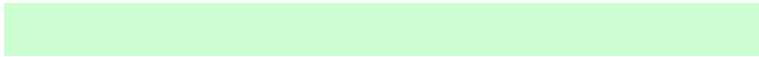
89.2950, 0.2606, 0.2782



89.2950, 0.3709, 0.3328

Complementary

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



89.2950, 0.3080, 0.3776



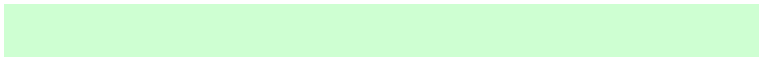
72.3506, 0.3177, 0.2848

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.



89.2950, 0.3473, 0.3067



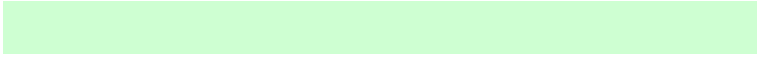
89.2950, 0.3080, 0.3776



89.2950, 0.2833, 0.2760

Square

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



89.2950, 0.3080, 0.3776



89.2950, 0.2516, 0.2938



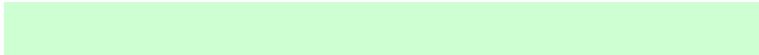
89.2950, 0.3148, 0.2864



89.2950, 0.3778, 0.3594

Rectangle

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



89.2950, 0.3080, 0.3776



89.2950, 0.2630, 0.3312



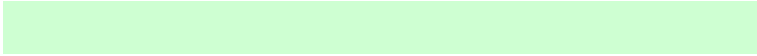
89.2950, 0.3148, 0.2864



89.2950, 0.3646, 0.3237

Sweetspot

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



89.2886, 0.3080, 0.3776



96.3407, 0.3113, 0.3429



96.6198, 0.3396, 0.3774



20.5394, 0.3111, 0.3445



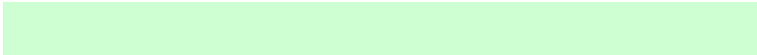
0.0000, 0.0000, 0.0000



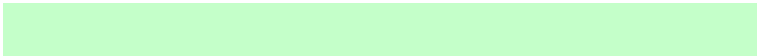
21.4041, 0.3127, 0.3290

Same Dimension

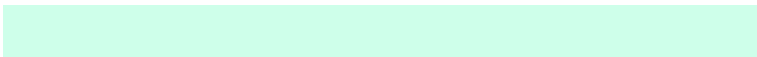
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2886, 0.3080, 0.3776



87.5265, 0.3070, 0.3885



90.5631, 0.2950, 0.3514



20.1922, 0.3104, 0.3515



37.4070, 0.2986, 0.5948



3.6501, 0.2954, 0.5836

Inverse Universe

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



72.3506, 0.3177, 0.2848



67.8132, 0.3188, 0.2760



70.9438, 0.3348, 0.3077



18.2733, 0.3151, 0.3075



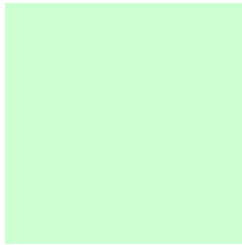
14.2286, 0.3426, 0.1661



1.3927, 0.3399, 0.1646

Previews

White Background



This preview shows how the Yxy color 89.2950, 0.3080, 0.3776 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 89.2950, 0.3080, 0.3776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

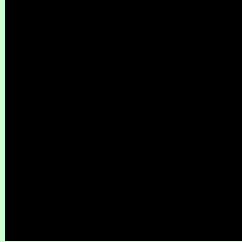
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

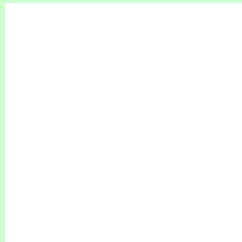
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.2950, 0.3080, 0.3776

Background



This preview shows how black text looks on a background with the Yxy color 89.2950, 0.3080, 0.3776.

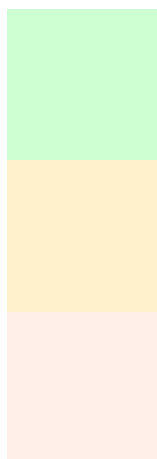


This preview shows how white text looks on a background with the Yxy color 89.2950, 0.3080, 0.3776.

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

89.2950, 0.3080, 0.3776

Protanopia

88.5302, 0.3455, 0.3659

Deuteranopia

88.8192, 0.3278, 0.3359



Tritanopia

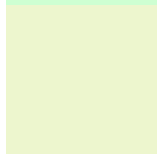
89.1828, 0.2969, 0.3189

Trichromacy



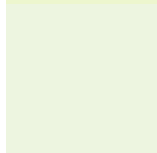
Original Color

89.2950, 0.3080, 0.3776



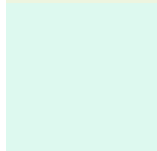
Protanomaly

88.3723, 0.3311, 0.3703



Deuteranomaly

88.6912, 0.3202, 0.3504



Tritanomaly

89.3555, 0.3010, 0.3393

Monochromacy



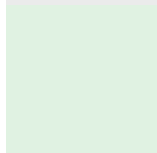
Original Color

89.2950, 0.3080, 0.3776



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.8425, 0.3106, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2950, 0.3080, 0.3776 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(206, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 210)  
}
```

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(206, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 89.2950, 0.3080, 0.3776 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(206, 255, 210) }
```

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

```
.border{ border-color:rgb(206, 255, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2950, 0.3080, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 210) }
```

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

```
.background{ background-color: rgb(206,  
255, 210) }
```

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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