

Converting Colors

Yxy(81.8788, 0.3068, 0.3674)

Have a look what the booklet for
Yxy(81.8788, 0.3068, 0.3674)
contains.

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Color

Yxy(82.0013, 0.3071, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	CBF4D1
RGB	203, 244, 209
RGB Percent	80%, 96%, 82%
CMY	0.2039, 0.0431, 0.1805
CMYK	0.17, 0.00, 0.14, 0.04
HSL	129°, 65%, 88%
HSV	129°, 17%, 96%
XYZ	68.4868, 82.0013, 72.5233
YIQ	227.7510, -13.2010, -19.5770

Conversions

Conversions Part 2

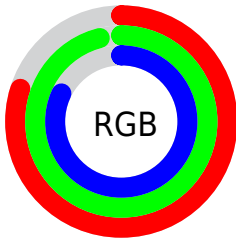
Format	Color
R _Y B	203, 239, 244
Decimal	13366481
CIE Lab	92.58, -19.74, 12.54
CIE LCh	93, 23.385, 147.585
Yxy	82.0013, 0.3071, 0.3677
Android (android.graphics.Color)	4291556561 (0xFFC _B F4D1)
YUV	227.7510, -9.2442, -21.7066
Hunter-Lab	90.5546, -23.4702, 15.9040

Details

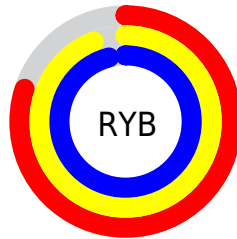
The Yxy color **82.0013, 0.3071, 0.3677** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.1253, 0.3189, 0.2931**, and the grayscale version is **77.4694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6289, 0.3048, 0.3767** is the 20% darker color. If you saturate the color by 10%, you get **77.8782, 0.3038, 0.3946**, and if you desaturate by 10%, it is **86.8056, 0.3105, 0.3437**.

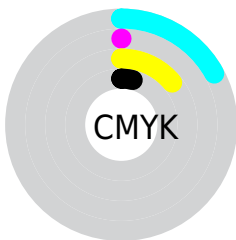
Distribution



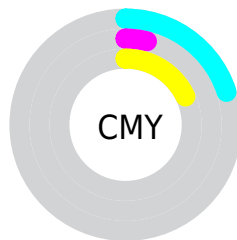
- Red (80%)
- Green (96%)
- Blue (82%)



- Red (80%)
- Yellow (94%)
- Blue (96%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (4%)



- Cyan (20%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0013, 0.3071, 0.3677 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 82.0013, 0.3071, 0.3677 by changing the saturation by 10% instead.

82.0013, 0.3071,
0.3677

82.0013, 0.3071,
0.3677

501.6520, 0.3099,
0.3497

61.3666, 0.3064,
0.3718

136.1758, 0.3081,
0.3614

44.5211, 0.3056,
0.3770

170.4844, 0.3085,
0.3590

31.0804, 0.3044,
0.3835

210.1198, 0.3088,
0.3569

20.6601, 0.3029,
0.3921

255.4664, 0.3091,
0.3551

12.8758, 0.3007,
0.4039

306.9085, 0.3093,
0.3535

7.3430, 0.2973,
0.4209

364.8305, 0.3095,

3.6775, 0.2914,

0.3521

0.4479

429.6169, 0.3097,
0.3508

■ 1.4949, 0.2827,
0.5024

■ 0.2851, 0.0000,
1.0000

■ 82.0013, 0.3071,
0.3677

■ 82.0013, 0.3071,
0.3677

■ 77.8782, 0.3038,
0.3946

■ 86.8056, 0.3105,
0.3437

■ 74.3955, 0.3006,
0.4242

■ 92.3092, 0.3138,
0.3226

■ 71.5241, 0.2978,
0.4556

■ 93.1848, 0.3132,
0.3185

■ 69.2283, 0.2956,
0.4877

■ 67.4688, 0.2944,
0.5188

■ 66.2014, 0.2941,
0.5468

■ 65.3744, 0.2950,
0.5696

■ 64.9237, 0.2967,
0.5859

■ 64.8292, 0.2972,
0.5898

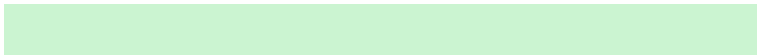
Harmonies

Analogous

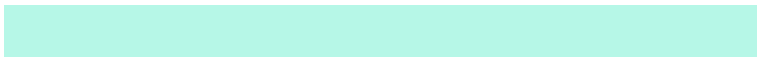
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0013, 0.3341, 0.3771



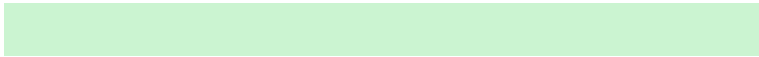
82.0013, 0.3071, 0.3677



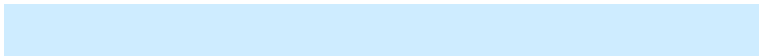
82.0013, 0.2824, 0.3464

Triad

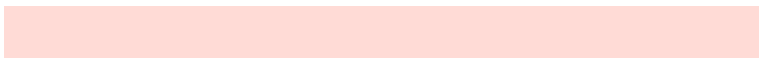
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0013, 0.3071, 0.3677



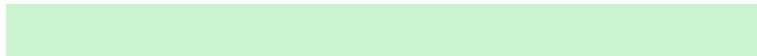
82.0013, 0.2703, 0.2862



82.0013, 0.3617, 0.3341

Complementary

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



82.0013, 0.3071, 0.3677



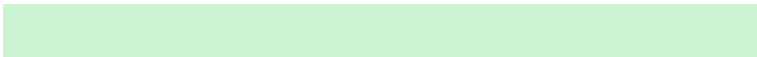
68.1253, 0.3189, 0.2931

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.



82.0013, 0.3431, 0.3119



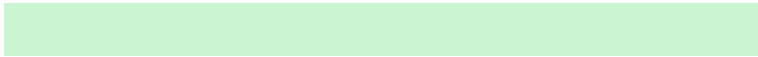
82.0013, 0.3071, 0.3677



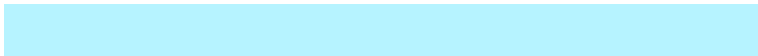
82.0013, 0.2900, 0.2849

Square

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



82.0013, 0.3071, 0.3677



82.0013, 0.2618, 0.2988



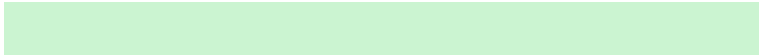
82.0013, 0.3166, 0.2943



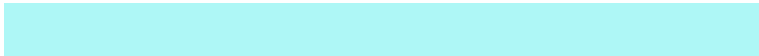
82.0013, 0.3664, 0.3561

Rectangle

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



82.0013, 0.3071, 0.3677



82.0013, 0.2703, 0.3292



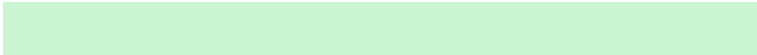
82.0013, 0.3166, 0.2943



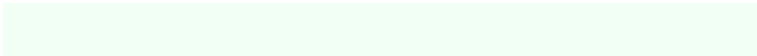
82.0013, 0.3568, 0.3265

Sweetspot

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



82.0048, 0.3071, 0.3677



96.9796, 0.3111, 0.3397



87.2876, 0.3343, 0.3713



20.6702, 0.3108, 0.3412



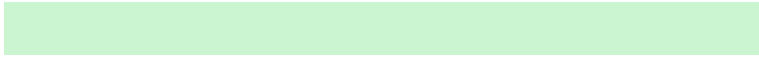
0.0000, 0.0000, 0.0000



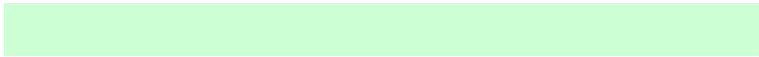
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0048, 0.3071, 0.3677



89.0818, 0.3060, 0.3761



83.0581, 0.2956, 0.3453



18.5113, 0.3096, 0.3498



35.2606, 0.2967, 0.5881



3.1108, 0.2914, 0.5692

Inverse Universe

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



68.1253, 0.3189, 0.2931



71.1967, 0.3202, 0.2860



67.0141, 0.3335, 0.3133



16.7244, 0.3160, 0.3090



12.9629, 0.3615, 0.1765



1.1504, 0.3556, 0.1733

Previews

White Background



This preview shows how the Yxy color 82.0013, 0.3071, 0.3677 looks on a white background.

Color Contrast Check

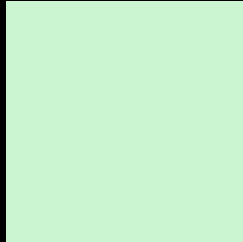
Large Text (above 18pt) WCAG AA × Fail

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 82.0013, 0.3071, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

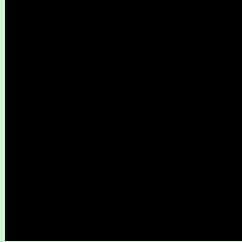
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

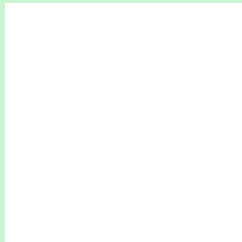
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0013, 0.3071, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 82.0013, 0.3071, 0.3677.

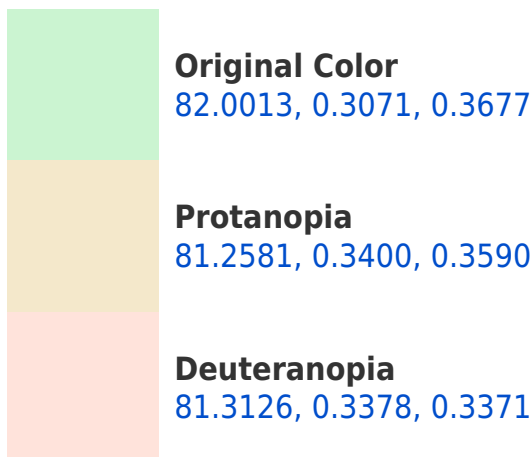


This preview shows how white text looks on a background with the Yxy color 82.0013, 0.3071, 0.3677.

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





Tritanopia

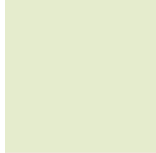
81.7854, 0.2863, 0.3102

Trichromacy



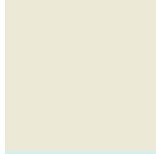
Original Color

82.0013, 0.3071, 0.3677



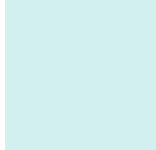
Protanomaly

81.0567, 0.3275, 0.3620



Deuteranomaly

81.0170, 0.3263, 0.3478



Tritanomaly

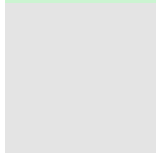
82.0485, 0.2941, 0.3311

Monochromacy



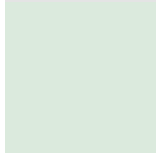
Original Color

82.0013, 0.3071, 0.3677



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.1262, 0.3107, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0013, 0.3071, 0.3677 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(203, 244, 209)` looks like.

```
.text, #text, p{  
    color:rgb(203, 244, 209)  
}
```

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(203, 244, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 244, 209) }
```

Border

The CSS property to change the border of an element to Yxy 82.0013, 0.3071, 0.3677 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(203, 244, 209) }
```

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

```
.border{ border-color:rgb(203, 244, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 244, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 244, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 244, 209);  
box-shadow:4px 4px 4px 4px rgb(203, 244,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0013, 0.3071, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 244, 209) }
```

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

```
.background{ background-color: rgb(203,  
244, 209) }
```

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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