

Converting Colors

$Yxy(82.8642, 0.3026, 0.3713)$

Have a look what the booklet for
Yxy(82.8642, 0.3026, 0.3713)
contains.

Yxy(82.8607, 0.3026, 0.3713)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.8607, 0.3026, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	C4F7D1
RGB	196, 247, 209
RGB Percent	77%, 97%, 82%
CMY	0.2315, 0.0313, 0.1803
CMYK	0.21, 0.00, 0.15, 0.03
HSL	135°, 76%, 87%
HSV	135°, 21%, 97%
XYZ	67.5294, 82.8607, 72.7737
YIQ	227.4190, -18.1980, -22.6300

Conversions

Conversions Part 2

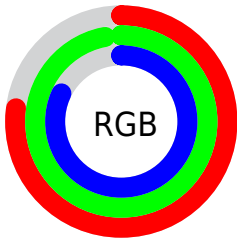
Format	Color
R_{YB}	196, 237, 247
Decimal	12908497
CIE _{Lab}	92.95, -23.47, 12.99
CIE _{LCh}	93, 26.823, 151.043
Yxy	82.8607, 0.3026, 0.3713
Android (android.graphics.Color)	4291098577 (0xFFC4F7D1)
YUV	227.4190, -9.0806, -27.5545
Hunter-Lab	91.0279, -26.8779, 16.3191

Details

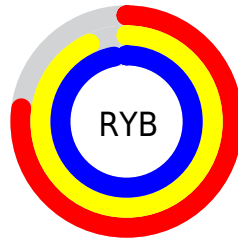
The Yxy color **82.8607, 0.3026, 0.3713** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.1763, 0.3247, 0.2901**, and the grayscale version is **77.2124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **44.8562, 0.2993, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **78.9621, 0.2979, 0.3955**, and if you desaturate by 10%, it is **87.4165, 0.3075, 0.3495**.

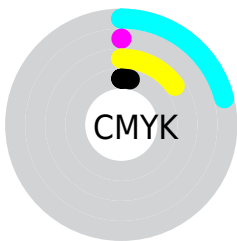
Distribution



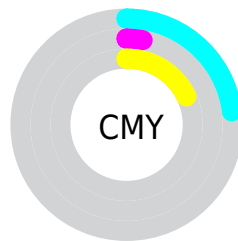
- Red (77%)
- Green (97%)
- Blue (82%)



- Red (77%)
- Yellow (93%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (15%)
- Black (3%)




- Cyan (23%)
- Magenta (3%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8607, 0.3026, 0.3713 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 82.8607, 0.3026, 0.3713 by changing the saturation by 10% instead.


 82.8607, 0.3026,
0.3713

 82.8607, 0.3026,
0.3713


504.5222, 0.3075,
0.3516

 62.0752, 0.3014,
0.3758


137.3803, 0.3043,
0.3644

 45.0935, 0.3000,
0.3815

171.8833, 0.3050,
0.3618

 31.5311, 0.2981,
0.3886


211.7276, 0.3056,
0.3595

 21.0036, 0.2956,
0.3981

257.2975, 0.3060,
0.3575

 13.1266, 0.2921,
0.4110

308.9776, 0.3065,
0.3557

 7.5158, 0.2868,
0.4298

367.1521, 0.3068,

 3.7867, 0.2780,

0.3542

432.2055, 0.3072,
0.3528

0.4595

1.5550, 0.2635,
0.5186

0.3270, 0.0000,
1.0000

82.8607, 0.3026,
0.3713

82.8607, 0.3026,
0.3713

78.9621, 0.2979,
0.3955

87.4165, 0.3075,
0.3495

75.6801, 0.2938,
0.4219

92.6474, 0.3124,
0.3302

72.9854, 0.2903,
0.4499

95.0086, 0.3131,
0.3214

70.8425, 0.2880,
0.4787

■ 69.2115, 0.2870,
0.5068

■ 68.0473, 0.2875,
0.5329

■ 67.2962, 0.2895,
0.5553

■ 66.8901, 0.2923,
0.5722

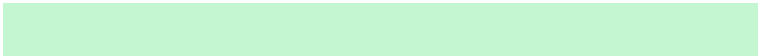
Harmonies

Analogous

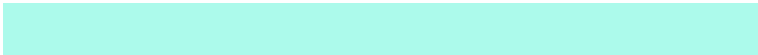
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8607, 0.3336, 0.3839



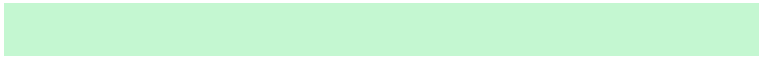
82.8607, 0.3026, 0.3713



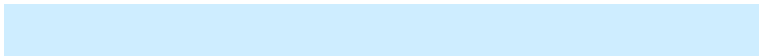
82.8607, 0.2753, 0.3455

Triad

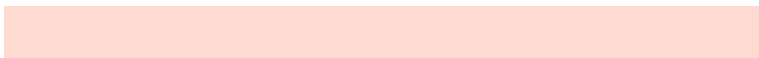
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8607, 0.3026, 0.3713



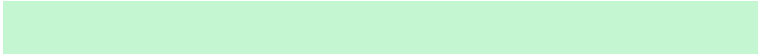
82.8607, 0.2664, 0.2795



82.8607, 0.3703, 0.3375

Complementary

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



82.8607, 0.3026, 0.3713



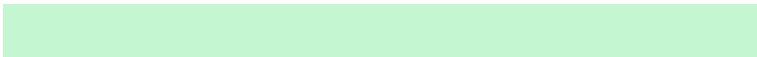
65.1763, 0.3247, 0.2901

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.



82.8607, 0.3505, 0.3122



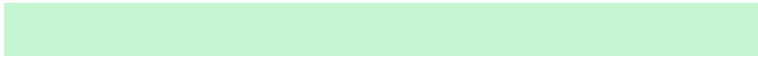
82.8607, 0.3026, 0.3713



82.8607, 0.2900, 0.2796

Square

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



82.8607, 0.3026, 0.3713



82.8607, 0.2552, 0.2921



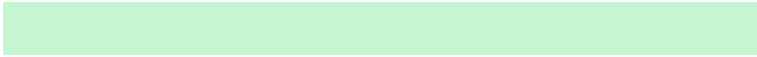
82.8607, 0.3207, 0.2915



82.8607, 0.3736, 0.3622

Rectangle

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



82.8607, 0.3026, 0.3713



82.8607, 0.2626, 0.3256



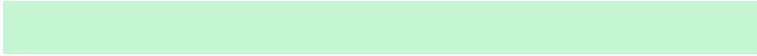
82.8607, 0.3207, 0.2915



82.8607, 0.3653, 0.3289

Sweetspot

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



82.8642, 0.3026, 0.3713



96.5012, 0.3098, 0.3402



88.0471, 0.3352, 0.3821



20.5772, 0.3094, 0.3415



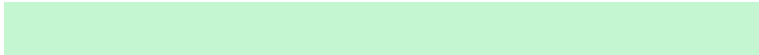
0.0000, 0.0000, 0.0000



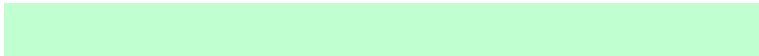
21.4041, 0.3127, 0.3290

Same Dimension

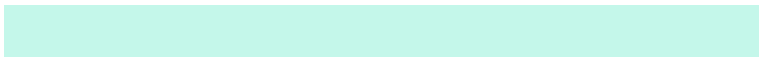
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8642, 0.3026, 0.3713



87.1616, 0.3005, 0.3816



84.2142, 0.2886, 0.3428



18.5416, 0.3081, 0.3471



35.3916, 0.2915, 0.5695



3.1266, 0.2849, 0.5458

Inverse Universe

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



65.1763, 0.3247, 0.2901



64.8440, 0.3277, 0.2816



63.8288, 0.3441, 0.3157



16.6916, 0.3177, 0.3116



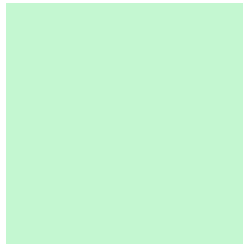
12.3074, 0.3985, 0.1969



1.0983, 0.3866, 0.1903

Previews

White Background



This preview shows how the Yxy color 82.8607, 0.3026, 0.3713 looks on a white background.

Color Contrast Check

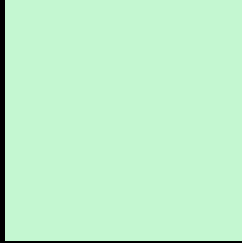
Large Text (above 18pt) WCAG AA × Fail

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 82.8607, 0.3026, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

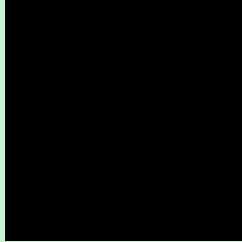
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

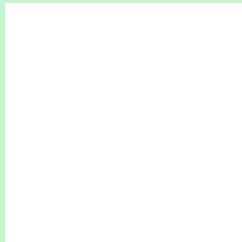
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8607, 0.3026, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 82.8607, 0.3026, 0.3713.

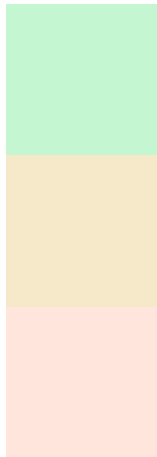


This preview shows how white text looks on a background with the Yxy color 82.8607, 0.3026, 0.3713.

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

82.8607, 0.3026, 0.3713

Protanopia

82.1349, 0.3419, 0.3609

Deuteranopia

82.4659, 0.3369, 0.3381



Tritanopia

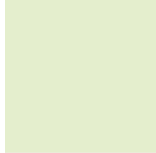
82.6546, 0.2852, 0.3122

Trichromacy



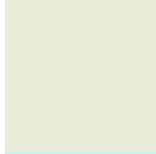
Original Color

82.8607, 0.3026, 0.3713



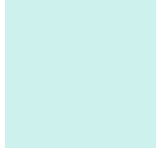
Protanomaly

82.0508, 0.3265, 0.3641



Deuteranomaly

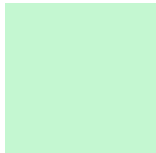
82.4412, 0.3239, 0.3499



Tritanomaly

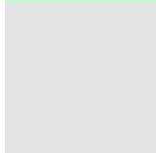
82.6564, 0.2917, 0.3332

Monochromacy



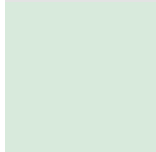
Original Color

82.8607, 0.3026, 0.3713



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.6119, 0.3093, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8607, 0.3026, 0.3713 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(196, 247, 209)` looks like.

```
.text, #text, p{  
    color:rgb(196, 247, 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(196, 247, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 247, 209) }
```

Border

The CSS property to change the border of an element to Yxy 82.8607, 0.3026, 0.3713 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(196, 247, 209) }
```

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

```
.border{ border-color:rgb(196, 247, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 247, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 247, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 247, 209);  
box-shadow:4px 4px 4px 4px rgb(196, 247,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8607, 0.3026, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 247, 209) }
```

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

```
.background{ background-color: rgb(196,  
247, 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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