

Converting Colors

Yxy(83.8460, 0.2831, 0.3403)

Have a look what the booklet for
Yxy(83.8460, 0.2831, 0.3403)
contains.

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Color

Yxy(84.0680, 0.2832, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	BDF8ED
RGB	189, 248, 237
RGB Percent	74%, 97%, 93%
CMY	0.2589, 0.0274, 0.0704
CMYK	0.24, 0.00, 0.04, 0.03
HSL	169°, 81%, 86%
HSV	169°, 24%, 97%
XYZ	69.8388, 84.0680, 92.6992
YIQ	229.1050, -31.6330, -15.9290

Conversions

Conversions Part 2

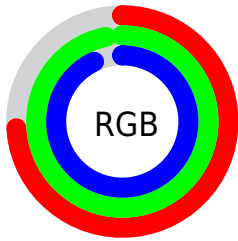
Format	Color
R _{YB}	189, 222, 248
Decimal	12450029
CIE Lab	93.48, -20.71, -0.80
CIE LCh	93, 20.725, 182.202
Yxy	84.0680, 0.2832, 0.3409
Android (android.graphics.Color)	4290640109 (0xFFBDF8ED)
YUV	229.1050, 3.8922, -35.1721
Hunter-Lab	91.6886, -24.4923, 4.2385

Details

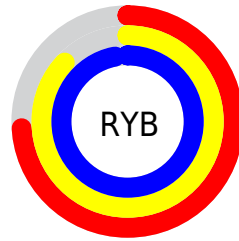
The Yxy color **84.0680, 0.2832, 0.3409** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5075, 0.3533, 0.3175**, and the grayscale version is **78.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **45.6661, 0.2766, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **80.9011, 0.2723, 0.3466**, and if you desaturate by 10%, it is **87.7909, 0.2951, 0.3356**.

Distribution



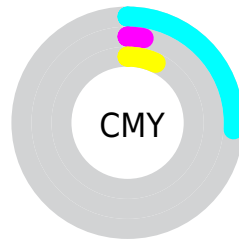
- Red (74%)
- Green (97%)
- Blue (93%)



- Red (74%)
- Yellow (87%)
- Blue (97%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)





- Cyan (26%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0680, 0.2832, 0.3409 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 84.0680, 0.2832, 0.3409 by changing the saturation by 10% instead.


 84.0680, 0.2832,
0.3409

 84.0680, 0.2832,
0.3409


508.5390, 0.2965,
0.3356

 63.0716, 0.2803,
0.3421


 139.0703, 0.2877,
0.3391

 45.8991, 0.2767,
0.3435


173.8450, 0.2895,
0.3384

 32.1662, 0.2722,
0.3453


213.9812, 0.2911,
0.3378

 21.4885, 0.2664,
0.3475

259.8633, 0.2924,
0.3372

 13.4815, 0.2588,
0.3506

311.8757, 0.2936,
0.3367

 7.7610, 0.2482,
0.3547

370.4029, 0.2947,

 3.9424, 0.2324,

0.3363

435.8292, 0.2956,
0.3359

0.3608

1.6414, 0.2066,
0.3706

0.3853, 0.0000,
0.4478

84.0680, 0.2832,
0.3409

84.0680, 0.2832,
0.3409

80.9011, 0.2723,
0.3466

87.7909, 0.2951,
0.3356

78.2523, 0.2626,
0.3528

92.0852, 0.3078,
0.3307

76.0950, 0.2546,
0.3592

95.3556, 0.3155,
0.3263

74.3960, 0.2483,
0.3658

95.6193, 0.3130,
0.3223

■ 73.1179, 0.2440,
0.3726

■ 72.2177, 0.2417,
0.3794

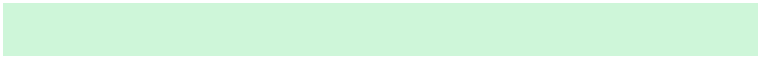
■ 71.6424, 0.2413,
0.3862

■ 71.4014, 0.2418,
0.3903

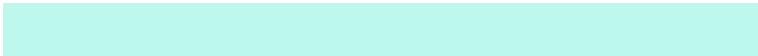
Harmonies

Analogous

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



84.0680, 0.3042, 0.3605



84.0680, 0.2832, 0.3409



84.0680, 0.2702, 0.3185

Triad

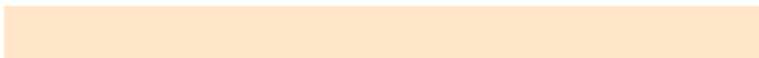
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0680, 0.2832, 0.3409



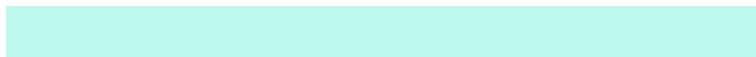
84.0680, 0.2961, 0.2907



84.0680, 0.3593, 0.3557

Complementary

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



84.0680, 0.2832, 0.3409



60.5075, 0.3533, 0.3175

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.



84.0680, 0.3572, 0.3368



84.0680, 0.2832, 0.3409



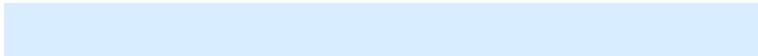
84.0680, 0.3200, 0.3003

Square

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



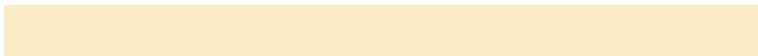
84.0680, 0.2832, 0.3409



84.0680, 0.2774, 0.2904



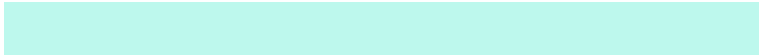
84.0680, 0.3425, 0.3168



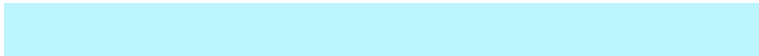
84.0680, 0.3484, 0.3685

Rectangle

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



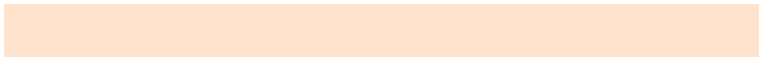
84.0680, 0.2832, 0.3409



84.0680, 0.2675, 0.3055



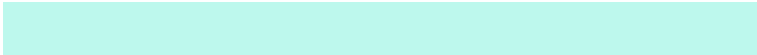
84.0680, 0.3425, 0.3168



84.0680, 0.3601, 0.3498

Sweetspot

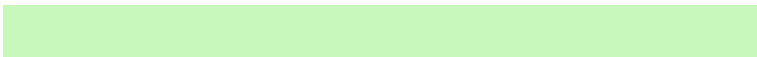
The Sweet Spot groups the original color and five complimentary colors.



84.0714, 0.2832, 0.3409



96.5587, 0.3037, 0.3322



83.1990, 0.3170, 0.3950



20.6071, 0.3029, 0.3325



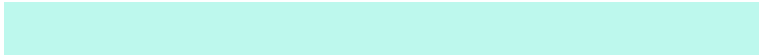
0.0000, 0.0000, 0.0000



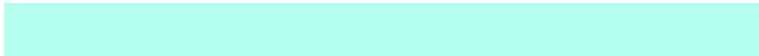
21.4041, 0.3127, 0.3290

Same Dimension

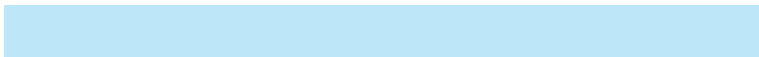
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0714, 0.2832, 0.3409



87.7167, 0.2773, 0.3439



74.3516, 0.2759, 0.3094



19.5500, 0.3005, 0.3334



38.5880, 0.2415, 0.3892



3.5877, 0.2392, 0.3812

Inverse Universe

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



60.5075, 0.3533, 0.3175



58.2584, 0.3653, 0.3148



68.1023, 0.3582, 0.3478



17.2779, 0.3265, 0.3246



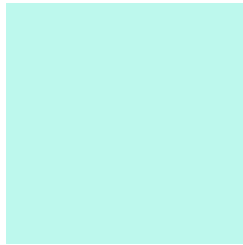
10.9021, 0.6115, 0.3142



1.0235, 0.5807, 0.2973

Previews

White Background



This preview shows how the Yxy color 84.0680, 0.2832, 0.3409 looks on a white background.

Color Contrast Check

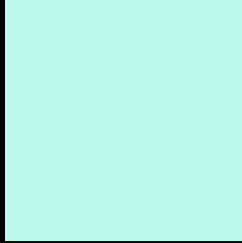
Large Text (above 18pt) WCAG AA × Fail

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 84.0680, 0.2832, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

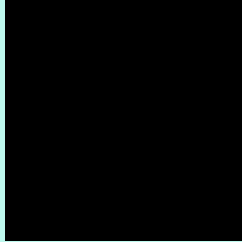
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

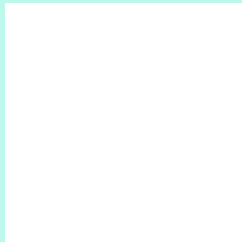
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0680, 0.2832, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 84.0680, 0.2832, 0.3409.

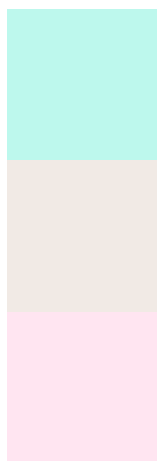


This preview shows how white text looks on a background with the Yxy color 84.0680, 0.2832, 0.3409.

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

84.0680, 0.2832, 0.3409

Protanopia

83.2036, 0.3206, 0.3341

Deuteranopia

83.6495, 0.3229, 0.3173



Tritanopia

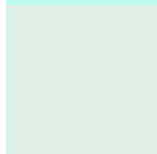
83.6859, 0.2847, 0.3143

Trichromacy



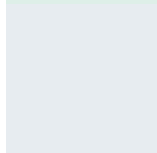
Original Color

84.0680, 0.2832, 0.3409



Protanomaly

83.0888, 0.3058, 0.3363



Deuteranomaly

83.2711, 0.3070, 0.3249



Tritanomaly

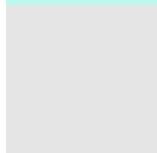
84.0352, 0.2846, 0.3247

Monochromacy



Original Color

84.0680, 0.2832, 0.3409



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.1132, 0.3007, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0680, 0.2832, 0.3409 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(189, 248, 237)` looks like.

```
.text, #text, p{  
    color:rgb(189, 248, 237)  
}
```

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(189, 248, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 248, 237) }
```

Border

The CSS property to change the border of an element to Yxy 84.0680, 0.2832, 0.3409 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(189, 248, 237) }
```

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

```
.border{ border-color:rgb(189, 248, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 248, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 248, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 248, 237);  
box-shadow:4px 4px 4px 4px rgb(189, 248,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0680, 0.2832, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 248, 237) }
```

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

```
.background{ background-color: rgb(189,  
248, 237) }
```

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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