

Converting Colors

Yxy(82.9216, 0.2832, 0.3392)

Have a look what the booklet for
Yxy(82.9216, 0.2832, 0.3392)
contains.

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Color

Yxy(82.8448, 0.2831, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	BDF6ED
RGB	189, 246, 237
RGB Percent	74%, 96%, 93%
CMY	0.2589, 0.0353, 0.0706
CMYK	0.23, 0.00, 0.04, 0.04
HSL	171°, 76%, 85%
HSV	171°, 23%, 96%
XYZ	69.2248, 82.8448, 92.4546
YIQ	227.9310, -31.0830, -14.8830

Conversions

Conversions Part 2

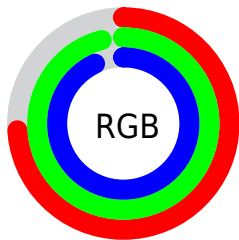
Format	Color
RYB	189, 220, 246
Decimal	12449517
CIELab	92.95, -19.74, -1.55
CIELCh	93, 19.797, 184.489
Yxy	82.8448, 0.2831, 0.3388
Android (android.graphics.Color)	4290639597 (0xFFBDF6ED)
YUV	227.9310, 4.4710, -34.1425
Hunter-Lab	91.0191, -23.5249, 3.4883

Details

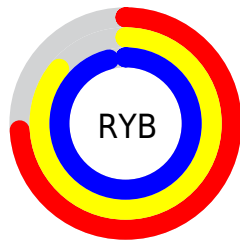
The Yxy color **82.8448, 0.2831, 0.3388** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.0635, 0.3532, 0.3195**, and the grayscale version is **77.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **45.2314, 0.2765, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **79.7396, 0.2718, 0.3436**, and if you desaturate by 10%, it is **86.4952, 0.2954, 0.3343**.

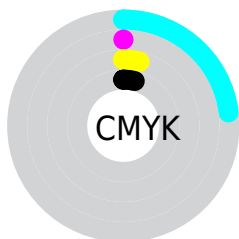
Distribution



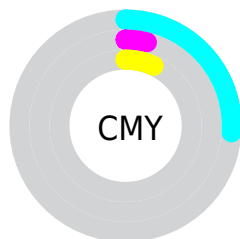
- Red (74%)
- Green (96%)
- Blue (93%)



- Red (74%)
- Yellow (86%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (26%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8448, 0.2831, 0.3388 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 82.8448, 0.2831, 0.3388 by changing the saturation by 10% instead.


 82.8448, 0.2831,
0.3388

 82.8448, 0.2831,
0.3388


504.4691, 0.2964,
0.3344

 62.0621, 0.2801,
0.3398


 137.3581, 0.2877,
0.3373

 45.0829, 0.2765,
0.3409


171.8575, 0.2894,
0.3367

 31.5227, 0.2720,
0.3424


211.6979, 0.2910,
0.3362

 20.9972, 0.2662,
0.3442

257.2637, 0.2924,
0.3358

 13.1220, 0.2585,
0.3466

308.9393, 0.2936,
0.3354

 7.5126, 0.2477,
0.3499


367.1092, 0.2946,


 3.7847, 0.2317,


0.3350


432.1577, 0.2956,
0.3347

0.3547


 1.5539, 0.2054,
0.3623


 0.3262, 0.0000,
0.4131


 82.8448, 0.2831,
0.3388


 82.8448, 0.2831,
0.3388


 79.7396, 0.2718,
0.3436


 86.4952, 0.2954,
0.3343


 77.1426, 0.2618,
0.3488

 90.7058, 0.3085,
0.3302

 75.0279, 0.2534,
0.3542

 93.9951, 0.3169,
0.3265

 73.3632, 0.2469,
0.3598

 94.2400, 0.3146,
0.3227

72.1122, 0.2422,
0.3655

94.3966, 0.3131,
0.3204

71.2330, 0.2396,
0.3712

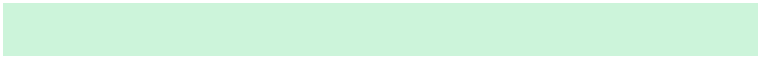
70.6748, 0.2388,
0.3768

70.4265, 0.2391,
0.3806

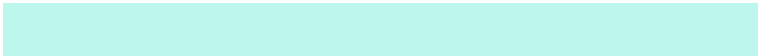
Harmonies

Analogous

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



82.8448, 0.3029, 0.3580



82.8448, 0.2831, 0.3388



82.8448, 0.2713, 0.3174

Triad

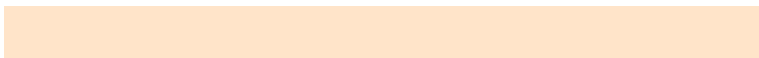
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8448, 0.2831, 0.3388



82.8448, 0.2985, 0.2926



82.8448, 0.3570, 0.3559

Complementary

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



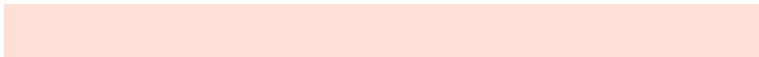
82.8448, 0.2831, 0.3388



60.0635, 0.3532, 0.3195

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.



82.8448, 0.3560, 0.3380



82.8448, 0.2831, 0.3388



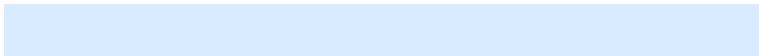
82.8448, 0.3215, 0.3024

Square

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



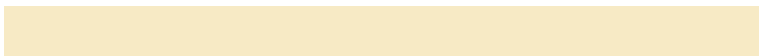
82.8448, 0.2831, 0.3388



82.8448, 0.2799, 0.2916



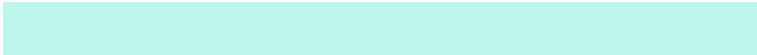
82.8448, 0.3428, 0.3187



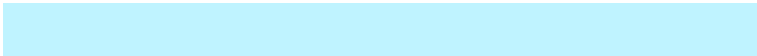
82.8448, 0.3458, 0.3674

Rectangle

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



82.8448, 0.2831, 0.3388



82.8448, 0.2693, 0.3052



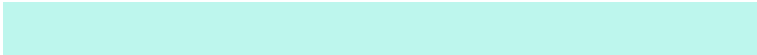
82.8448, 0.3428, 0.3187



82.8448, 0.3581, 0.3504

Sweetspot

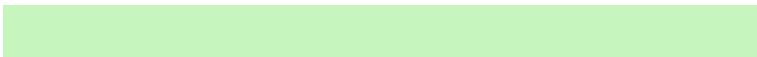
The Sweet Spot groups the original color and five complimentary colors.



82.8482, 0.2831, 0.3388



96.5899, 0.3034, 0.3317



81.6634, 0.3157, 0.3932



20.6144, 0.3026, 0.3320



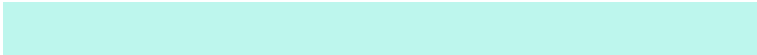
0.0000, 0.0000, 0.0000



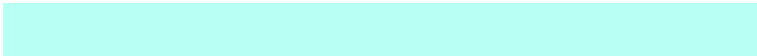
21.4041, 0.3127, 0.3290

Same Dimension

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



82.8482, 0.2831, 0.3388



88.1749, 0.2774, 0.3411



72.4117, 0.2767, 0.3078



18.7101, 0.3002, 0.3328



37.6055, 0.2388, 0.3797



3.3170, 0.2368, 0.3726

Inverse Universe

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



60.0635, 0.3532, 0.3195



59.3103, 0.3646, 0.3174



68.3784, 0.3562, 0.3492



16.5252, 0.3269, 0.3253



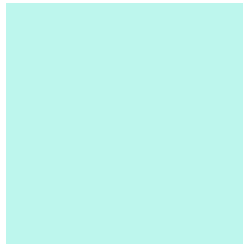
10.5488, 0.6177, 0.3177



0.9395, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 82.8448, 0.2831, 0.3388 looks on a white background.

Color Contrast Check

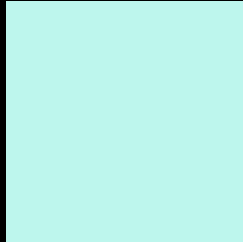
Large Text (above 18pt) WCAG AA × Fail

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 82.8448, 0.2831, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

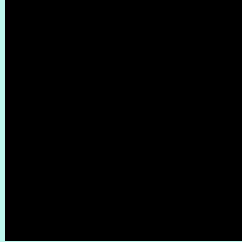
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

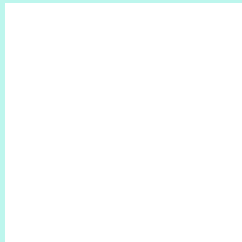
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8448, 0.2831, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 82.8448, 0.2831, 0.3388.

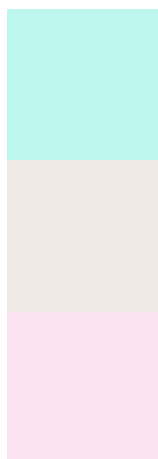


This preview shows how white text looks on a background with the Yxy color 82.8448, 0.2831, 0.3388.

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

82.8448, 0.2831, 0.3388

Protanopia

82.3417, 0.3187, 0.3321

Deuteranopia

82.1717, 0.3217, 0.3152



Tritanopia

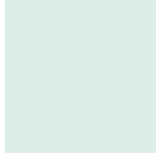
82.5193, 0.2823, 0.3131

Trichromacy



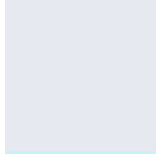
Original Color

82.8448, 0.2831, 0.3388



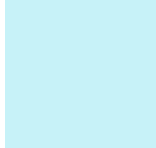
Protanomaly

82.4044, 0.3046, 0.3342



Deuteranomaly

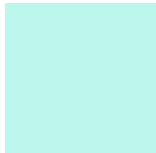
81.9599, 0.3064, 0.3228



Tritanomaly

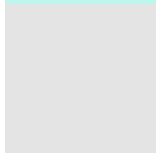
82.4237, 0.2827, 0.3225

Monochromacy



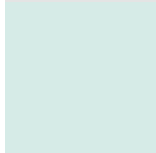
Original Color

82.8448, 0.2831, 0.3388



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

79.4823, 0.3013, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8448, 0.2831, 0.3388 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, 246, 237)` looks like.

```
.text, #text, p{  
    color:rgb(189, 246, 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, 246, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 246, 237) }
```

Border

The CSS property to change the border of an element to Yxy 82.8448, 0.2831, 0.3388 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, 246, 237) }
```

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

```
.border{ border-color:rgb(189, 246, 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, 246, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 246, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 246, 237);  
box-shadow:4px 4px 4px 4px rgb(189, 246,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8448, 0.2831, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 246, 237) }
```

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

```
.background{ background-color: rgb(189,  
246, 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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