

Converting Colors

$Yxy(81.5135, 0.2848, 0.3422)$

Have a look what the booklet for
Yxy(81.5135, 0.2848, 0.3422)
contains.

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Color

Yxy(81.2189, 0.2851, 0.3422)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BCF4E8 |
| RGB | 188, 244, 232 |
| RGB Percent | 74%, 96%, 91% |
| CMY | 0.2625, 0.0432, 0.0902 |
| CMYK | 0.23, 0.00, 0.05, 0.04 |
| HSL | 167°, 72%, 85% |
| HSV | 167°, 23%, 96% |
| XYZ | 67.6666, 81.2189, 88.4579 |
| YIQ | 225.8880, -29.5240, -15.6040 |

Conversions

Conversions Part 2

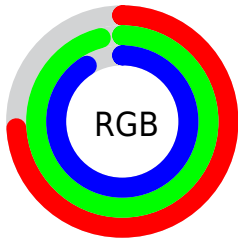
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 188, 219, 244 |
| Decimal | 12383464 |
| CIE Lab | 92.23, -20.04, -0.02 |
| CIE LCh | 92, 20.045, 180.049 |
| Yxy | 81.2189, 0.2851, 0.3422 |
| Android (android.graphics.Color) | 4290573544 (0xFFBCF4E8) |
| YUV | 225.8880, 3.0132, -33.2278 |
| Hunter-Lab | 90.1215, -23.6882, 4.8896 |

Details

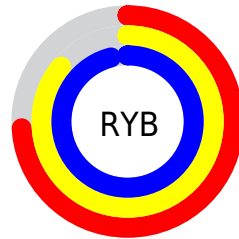
The Yxy color **81.2189, 0.2851, 0.3422** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.3968, 0.3500, 0.3163**, and the grayscale version is **75.9722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **44.1694, 0.2795, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **78.0869, 0.2744, 0.3488**, and if you desaturate by 10%, it is **84.8903, 0.2968, 0.3361**.

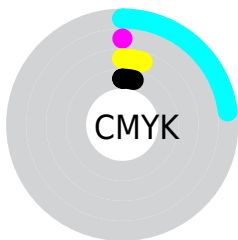
Distribution



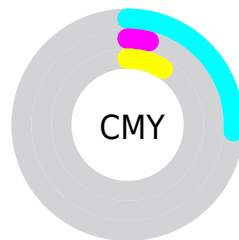
- Red (74%)
- Green (96%)
- Blue (91%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)





- Cyan (26%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2189, 0.2851, 0.3422 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 81.2189, 0.2851, 0.3422 by changing the saturation by 10% instead.

 81.2189, 0.2851,
0.3422

 81.2189, 0.2851,
0.3422


499.0312, 0.2976,
0.3362

 60.7219, 0.2823,
0.3435

 135.0781, 0.2894,
0.3402

 44.0008, 0.2789,
0.3452

169.2091, 0.2911,
0.3394

 30.6711, 0.2746,
0.3472


208.6535, 0.2925,
0.3387

 20.3485, 0.2691,
0.3498

253.7958, 0.2938,
0.3381

 12.6487, 0.2617,
0.3534

305.0203, 0.2949,
0.3375

 7.1871, 0.2513,
0.3583

362.7114, 0.2959,

 3.5794, 0.2356,

0.3370

427.2536, 0.2968,
0.3366

0.3658

1.4412, 0.2093,
0.3783

0.2468, 0.0000,
0.4776

81.2189, 0.2851,
0.3422

81.2189, 0.2851,
0.3422

78.0869, 0.2744,
0.3488

84.8903, 0.2968,
0.3361

75.4579, 0.2649,
0.3559

89.1156, 0.3090,
0.3305

73.3066, 0.2569,
0.3634

92.7147, 0.3176,
0.3254

71.6013, 0.2507,
0.3711

93.0432, 0.3145,
0.3204

70.3066, 0.2465,
0.3790

93.1765, 0.3132,
0.3185

69.3816, 0.2442,
0.3870

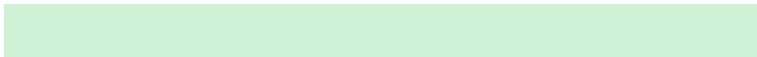
68.7767, 0.2439,
0.3949

68.4892, 0.2446,
0.4004

Harmonies

Analogous

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



81.2189, 0.3061, 0.3609



81.2189, 0.2851, 0.3422



81.2189, 0.2717, 0.3203

Triad

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



81.2189, 0.2851, 0.3422



81.2189, 0.2950, 0.2911



81.2189, 0.3585, 0.3540

Complementary

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



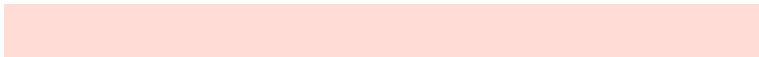
81.2189, 0.2851, 0.3422



59.3968, 0.3500, 0.3163

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.



81.2189, 0.3555, 0.3352



81.2189, 0.2851, 0.3422



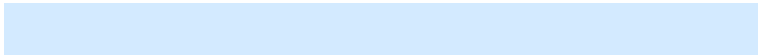
81.2189, 0.3181, 0.2999

Square

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



81.2189, 0.2851, 0.3422



81.2189, 0.2772, 0.2916



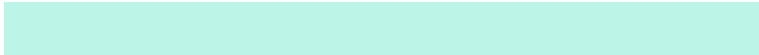
81.2189, 0.3405, 0.3158



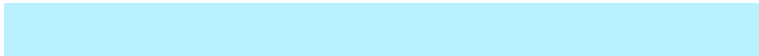
81.2189, 0.3488, 0.3670

Rectangle

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



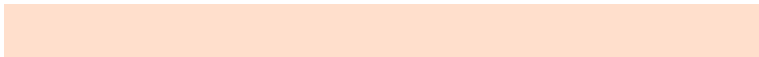
81.2189, 0.2851, 0.3422



81.2189, 0.2685, 0.3073



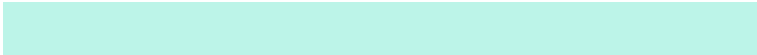
81.2189, 0.3405, 0.3158



81.2189, 0.3590, 0.3481

Sweetspot

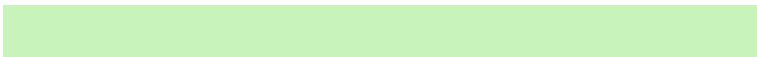
The Sweet Spot groups the original color and five complimentary colors.



81.2222, 0.2851, 0.3422



96.5264, 0.3040, 0.3327



80.6341, 0.3175, 0.3921



20.5997, 0.3032, 0.3331



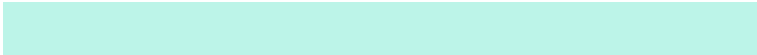
0.0000, 0.0000, 0.0000



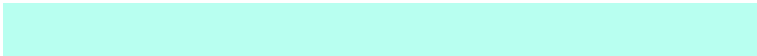
21.4041, 0.3127, 0.3290

Same Dimension

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



81.2222, 0.2851, 0.3422



87.9344, 0.2795, 0.3455



72.7970, 0.2773, 0.3113



18.6934, 0.3009, 0.3341



37.2645, 0.2442, 0.3992



3.2900, 0.2415, 0.3893

Inverse Universe

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



59.3968, 0.3500, 0.3163



59.4939, 0.3612, 0.3132



66.0075, 0.3563, 0.3461



16.5406, 0.3260, 0.3239



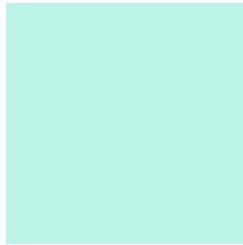
10.6104, 0.6037, 0.3099



0.9471, 0.5699, 0.2913

Previews

White Background



This preview shows how the Yxy color 81.2189, 0.2851, 0.3422 looks on a white background.

Color Contrast Check

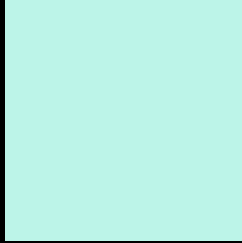
Large Text (above 18pt) WCAG AA × Fail

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 81.2189, 0.2851, 0.3422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

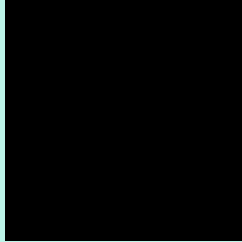
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

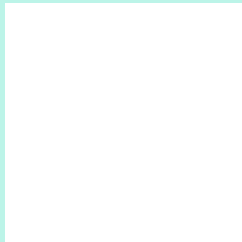
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2189, 0.2851, 0.3422

Background



This preview shows how black text looks on a background with the Yxy color 81.2189, 0.2851, 0.3422.

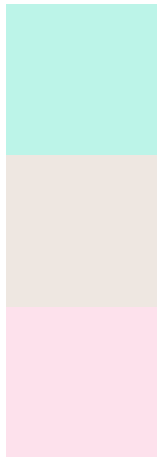


This preview shows how white text looks on a background with the Yxy color 81.2189, 0.2851, 0.3422.

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

81.2189, 0.2851, 0.3422

Protanopia

80.7652, 0.3214, 0.3352

Deuteranopia

80.7892, 0.3251, 0.3181



Tritanopia

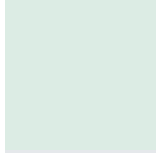
81.2324, 0.2793, 0.3119

Trichromacy



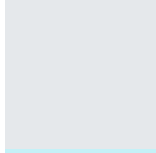
Original Color

81.2189, 0.2851, 0.3422



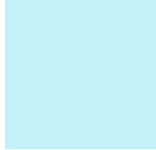
Protanomaly

80.8080, 0.3070, 0.3375



Deuteranomaly

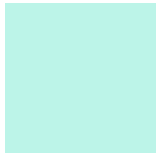
80.3694, 0.3088, 0.3259



Tritanomaly

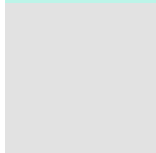
81.3618, 0.2814, 0.3224

Monochromacy



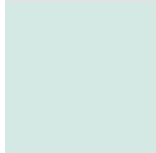
Original Color

81.2189, 0.2851, 0.3422



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.8763, 0.3018, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2189, 0.2851, 0.3422 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(188, 244, 232)` looks like.

```
.text, #text, p{  
    color:rgb(188, 244, 232)  
}
```

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(188, 244, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 244, 232) }
```

Border

The CSS property to change the border of an element to Yxy 81.2189, 0.2851, 0.3422 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(188, 244, 232) }
```

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

```
.border{ border-color:rgb(188, 244, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 244, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 244, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 244, 232);  
box-shadow:4px 4px 4px 4px rgb(188, 244,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2189, 0.2851, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 244, 232) }
```

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

```
.background{ background-color: rgb(188,  
244, 232) }
```

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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