

# Converting Colors

$Yxy(80.8701, 0.2875, 0.3461)$

Have a look what the booklet for  
Yxy(80.8701, 0.2875, 0.3461)  
contains.

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# Color

**Yxy(81.1216, 0.2878, 0.3467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<code>BDF4E4</code>
RGB	189, 244, 228
RGB Percent	74%, 96%, 89%
CMY	0.2589, 0.0431, 0.1058
CMYK	0.23, 0.00, 0.07, 0.04
HSL	163°, 71%, 85%
HSV	163°, 23%, 96%
XYZ	67.3401, 81.1216, 85.5205
YIQ	225.7310, -27.6440, -16.6360

# Conversions

## Conversions Part 2

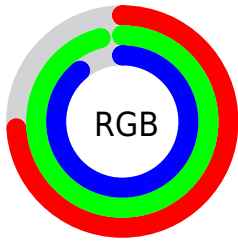
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 221, 244
Decimal	12448996
CIE Lab	92.19, -20.58, 2.00
CIE LCh	92, 20.675, 174.456
Yxy	81.1216, 0.2878, 0.3467
Android (android.graphics.Color)	4290639076 (0xFFBDF4E4)
YUV	225.7310, 1.1186, -32.2131
Hunter-Lab	90.0675, -24.1605, 6.7505

# Details

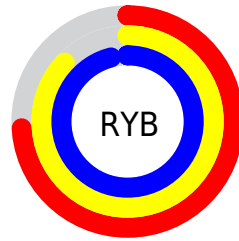
The Yxy color **81.1216, 0.2878, 0.3467** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.0313, 0.3458, 0.3121**, and the grayscale version is **75.8567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **44.1345, 0.2823, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **77.8770, 0.2779, 0.3558**, and if you desaturate by 10%, it is **84.9140, 0.2985, 0.3384**.

# Distribution



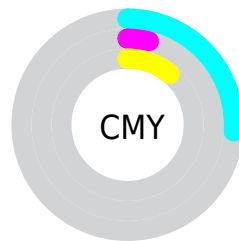
- Red (74%)
- Green (96%)
- Blue (89%)



- Red (74%)
- Yellow (87%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (26%)
- Magenta (4%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1216, 0.2878, 0.3467 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 81.1216, 0.2878, 0.3467 by changing the saturation by 10% instead.





 81.1216, 0.2878,  
0.3467

 81.1216, 0.2878,  
0.3467

498.7047, 0.2991,  
0.3386

 60.6418, 0.2853,  
0.3485


 134.9415, 0.2917,  
0.3439

 43.9361, 0.2821,  
0.3508


169.0503, 0.2932,  
0.3428

 30.6203, 0.2782,  
0.3536


208.4710, 0.2945,  
0.3419

 20.3099, 0.2732,  
0.3573

253.5878, 0.2957,  
0.3411

 12.6205, 0.2663,  
0.3623

304.7852, 0.2967,  
0.3403

 7.1677, 0.2567,  
0.3694


362.4475, 0.2976,


 3.5672, 0.2421,


0.3397


0.3803

426.9592, 0.2984,  
0.3391


 1.4346, 0.2171,  
0.3994


 0.2420, 0.0000,  
0.6615


 81.1216, 0.2878,  
0.3467


 81.1216, 0.2878,  
0.3467

 77.8770, 0.2779,  
0.3558


 84.9140, 0.2985,  
0.3384


 75.1436, 0.2691,  
0.3656

 89.2687, 0.3098,  
0.3308

 72.8962, 0.2617,  
0.3759

 92.8227, 0.3166,  
0.3239

 71.1030, 0.2561,  
0.3867

 93.1850, 0.3132,  
0.3185

■ 69.7288, 0.2524,  
0.3978

■ 68.7327, 0.2507,  
0.4089

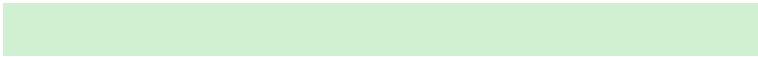
■ 68.0654, 0.2510,  
0.4200

■ 67.7262, 0.2523,  
0.4281

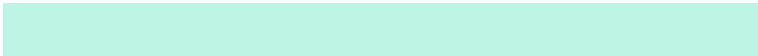
# Harmonies

## Analogous

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



81.1216, 0.3104, 0.3646



81.1216, 0.2878, 0.3467



81.1216, 0.2722, 0.3241

# Triad

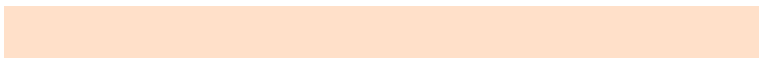
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.1216, 0.2878, 0.3467



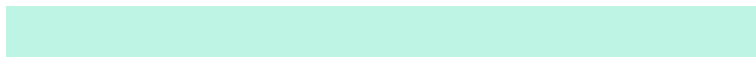
81.1216, 0.2904, 0.2893



81.1216, 0.3605, 0.3514

# Complementary

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



81.1216, 0.2878, 0.3467



60.0313, 0.3458, 0.3121

# 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.



81.1216, 0.3549, 0.3316



81.1216, 0.2878, 0.3467



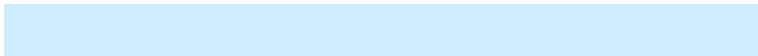
81.1216, 0.3137, 0.2967

# Square

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



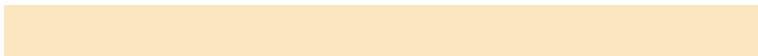
81.1216, 0.2878, 0.3467



81.1216, 0.2737, 0.2917



81.1216, 0.3375, 0.3119

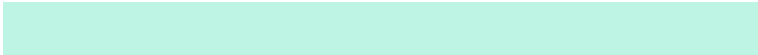


81.1216, 0.3527, 0.3664



# Rectangle

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



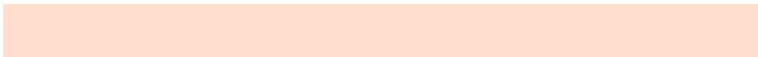
81.1216, 0.2878, 0.3467



81.1216, 0.2676, 0.3100



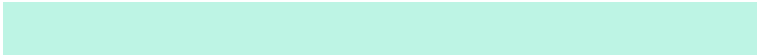
81.1216, 0.3375, 0.3119



81.1216, 0.3601, 0.3451

# Sweetspot

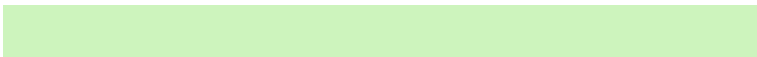
The Sweet Spot groups the original color and five complimentary colors.



81.1249, 0.2878, 0.3467



96.4408, 0.3047, 0.3341



81.4282, 0.3205, 0.3903



20.5798, 0.3040, 0.3345



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

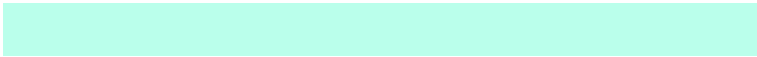


# Same Dimension

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



81.1249, 0.2878, 0.3467



87.9757, 0.2832, 0.3507



75.6288, 0.2783, 0.3167



18.6709, 0.3019, 0.3360



36.8486, 0.2518, 0.4264



3.2564, 0.2479, 0.4126



# Inverse Universe

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



60.0313, 0.3458, 0.3121



60.9049, 0.3545, 0.3085



64.2129, 0.3565, 0.3409



16.5617, 0.3248, 0.3221



10.7251, 0.5797, 0.2967

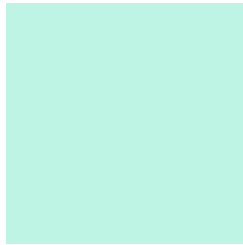


0.9598, 0.5443, 0.2772



# Previews

## White Background



This preview shows how the Yxy color 81.1216, 0.2878, 0.3467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

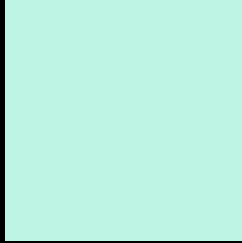
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.1216, 0.2878, 0.3467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

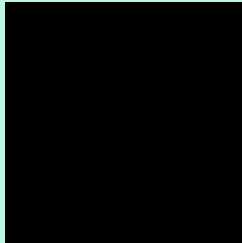
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

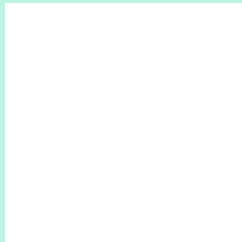
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.1216, 0.2878, 0.3467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.1216, 0.2878, 0.3467.

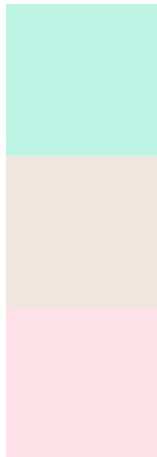


This preview shows how white text looks on a background with the Yxy color 81.1216, 0.2878, 0.3467.

# 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

81.1216, 0.2878, 0.3467

### Protanopia

80.7230, 0.3247, 0.3394

### Deuteranopia

80.7475, 0.3285, 0.3221



## Tritanopia

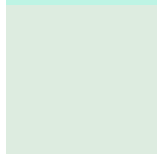
80.7866, 0.2798, 0.3109

# Trichromacy



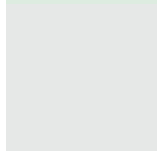
## Original Color

81.1216, 0.2878, 0.3467



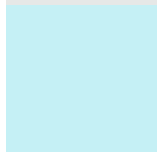
## Protanomaly

80.7449, 0.3101, 0.3418



## Deuteranomaly

80.3057, 0.3120, 0.3300



## Tritanomaly

80.7831, 0.2830, 0.3235

# Monochromacy



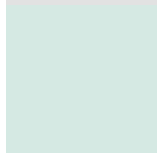
## Original Color

81.1216, 0.2878, 0.3467



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

77.9700, 0.3031, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.1216, 0.2878, 0.3467 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, 244, 228)` looks like.

```
.text, #text, p{  
    color:rgb(189, 244, 228)  
}
```

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, 244, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 244, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 81.1216, 0.2878, 0.3467 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, 244, 228) }
```

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

```
.border{ border-color:rgb(189, 244, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 244, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 244, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 244, 228);  
box-shadow:4px 4px 4px 4px rgb(189, 244,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.1216, 0.2878, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 244, 228) }
```

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

```
.background{ background-color: rgb(189,  
244, 228) }
```

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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